

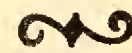
1950
Yearbook

M : Sonoma Coast
LM : Florida
BC : Baja Calif.

The
BUSINESS
YEAR BOOK



A Personal Chronicle
For One Year



1950

Domestic and Foreign Postage Rates

(Revised at time of going to Press.)

Domestic mail matter includes matter deposited in the mails for local delivery or for transmission from one place to another within the United States, or to, or from, or between the possessions of the U. S. and is divided into four classes.

First Class includes all letters and sealed parcels, except parcels sealed under special permission (with approved label). It also includes any open letter or parcel which contains writing except that there may be included in parcels, a single invoice and still retain 4th class rates.) Typewritten work and carbon copies are first class matter.

First class mail may be registered or sent C. O. D. but cannot be insured.

Letters and other first-class matter as described above, 3c for each ounce or fraction thereof.

Drop Letters mailed for delivery at the office where deposited and where carrier delivery service has not been established, 1c for each ounce or fraction thereof.

Postal Cards, Private Mailing or Post Cards within government size limits, written or printed, (get ruling on over and under sizes) 1c each.

SECOND CLASS (transient). Complete copies of newspapers or periodicals, entered at P. O. as second class matter. When mailed by other than publishers, 1c for each two ounces or fraction thereof, regardless of weight or distance, or Parcel Post rate if cheaper.

Second class matter may be registered but cannot be insured or sent C. O. D.

THIRD CLASS includes circulars, and other matter wholly in print, (except second class publications), proof sheets, corrected proof sheets and manuscript accompanying same, merchandise (including farm and factory products) and all other mailable matter not included in the first, or second, classes. Weight limit of this class: 8 ounces, 2c for first 2 oz., 1c for each additional ounce. Over 8 ounces the fourth class (Parcel Post) rates apply.

Exception: Books, catalogues, seeds, bulbs, roots, cuttings, scions, and plants (up to 8 oz.) 1½c for 2 oz. or fraction thereof.

Special rates for bulk mailings. See your postmaster.

Third class matter may be registered or insured or sent C. O. D.

For registry rates apply to your postmaster.

Restricted delivery on registered or insured articles, if desired, 20c additional.

Return receipt on registered or insured articles, if desired 5c additional. Return receipt on registered or insured articles, showing address where delivered, 31 cents additional.

FOURTH CLASS (Parcel Post) must weigh in excess of eight ounces: includes books, circulars, and other matter wholly in print, proof sheets, corrected proof sheets and manuscript copy accompanying same, merchandise (including farm and factory products), and all other mailable matter not included in the 1st, 2nd and 3rd classes.

Size limit: 100 inches in length and girth combined. **NOTE:**—Parcels over 84 inches in length and girth combined, and less than 10 lbs. in weight must be prepaid at 10 lb. rate

Weight limit: 70 lbs.

Parcels containing fourth-class matter (parcel post) are mailable only at post offices, branch post offices and lettered, named or numbered stations.

Parcels must bear the return card of the sender otherwise they will not be accepted for mailing.

Fourth-class matter may be insured or sent C. O. D. up to a maximum of \$200 (per parcel).

Any fraction of a cent resulting in the total postage on a parcel must be counted as a full cent.

Library books, from non-profit organizations, if sent out or returned. First pound 4c, each additional pound 1c up to and including 70 lbs.

INSURANCE RATES: 3rd and 4th Class Mail

From \$.01 to \$ 5.00.....	\$0.05
From \$ 5.01 to \$ 10.00.....	.10
From \$ 10.01 to \$ 25.00.....	.15
From \$ 25.01 to \$ 50.00.....	.20
From \$ 50.01 to \$100.00.....	.25
From \$100.01 to \$200.00.....	.30

Restricted delivery, if desired, 20c additional.

Return receipt, 5c additional.

Return receipt, showing address where delivered, 31 cents additional.

C. O. D. RATES: 3rd or 4th Class Mail

From \$.01 to \$ 2.50.....	\$0.20
From \$ 2.51 to \$ 5.00.....	.25
From \$ 5.01 to \$ 25.00.....	.35
From \$ 25.01 to \$ 50.00.....	.45
From \$ 50.01 to \$100.00.....	.55
From \$100.01 to \$150.00.....	.60
From \$150.01 to \$200.00.....	.65

The sender of a C. O. D. article will not be notified of non-delivery unless the article is endorsed to show that a notice is desired. A fee of 5c is collected for such notice.

Restricted delivery, if desired, 20c additional.

1st class C. O. D. articles may be registered in addition for combination rates as follows:

Domestic and Foreign Postage Rates

Amount of C. O. D. charges and limits of indemnity payable up to \$200.00 Not over \$10.00 From \$ 10.01 to \$50.00 From \$ 50.01 to \$100.00 From \$100.01 to \$200.00

C. O. D. fee (including registration) \$0.55 .70 .90 1.15

It should be borne in mind that, in no case, can the collections on any C. O. D. article exceed \$200; however indemnity protection (against loss, rifling, or damage) in excess of \$200, can be procured by the prepayment of combination C. O. D. Registry fees (in addition to regular 1st class postage, etc.), as follows:

\$200 to \$300.....\$1.20 \$600 to \$700.....1.40
 \$300 to \$400..... 1.25 \$700 to \$800....1.45
 \$400 to \$500..... 1.30 \$800 to \$1000...1.55
 \$500 to \$600..... 1.35

PREFERRED SERVICE FEATURES

	Fees in addition to Regular Postage		
	up to 2 lb.	2 to 10 lb.	over 10 lb.
Special Delivery (First Class Mail ONLY)	15c	25c	35c
Special Delivery (2nd, 3rd and 4th Class Mail). Expeditions dispatch transportation same as first class mail, INCLUDING IMMEDIATE DELIVERY after arrival at post office address.....	25c	35c	45c
Special Handling (Fourth Class Mail only) Expeditions dispatch transportation and delivery same as first class, but DOES NOT include Special Delivery.....	15c	20c	25c

Mark envelopes or wrappers "Special Delivery" or "Special Handling," as the case may be and add below an inscription to indicate the fee paid for the special service, in this manner: "Fee Paid.....cents."

Use distinctive "Special Delivery" or "Special Handling" stamps if obtainable.

AIR MAIL—Domestic Air Mail postage rate is 6c for each ounce, or fraction thereof, regardless of distance or routing.

Post or Postal cards 4c each. Weight limit 70 lbs.

To the Armed Forces overseas the rate of postage is 6c for each ounce or fraction thereof.

This figure includes all transportation to and from the various routes which now reach directly or indirectly, most of the important cities in the country.

Although Air Mail is used mainly for letters, any mailable matter up to 70 pounds in weight and not exceeding 100 inches in length and girth combined, may be carried (excepting such articles as are subject to damage by freezing).

In order that air mail may be quickly recognized and identified, the P. O. Department urges the use of distinctive Air Mail stamps, and distinctive Air Mail envelopes (with horizontal red, white and blue stripes or alternate red, white and blue parallelogram borders) or similarly striped labels.

If ordinary envelopes are used, it is recommended that two horizontal blue lines be drawn

across the envelope, about 1 1/8 inch from the top. Envelopes must be prominently marked "VIA AIR MAIL"; parcels, may be sent as Insured or C. O. D. if otherwise conforming to third or fourth class requirements. All Air Mail may be registered.

FOREIGN MAIL MATTER LETTER AND CARD POSTAGE

LETTERS: 3 cents per ounce or fraction thereof. **POST CARDS:** Single 1 cent; double 2 cents to the following.

Alaska, Canal Zone, Guam (U. S. Samoa), Hawaii, Territory of Manua (U. S. Samoa), Philippines, Porto Rico, Samoa, U. S. St. Croix, St. Thomas, Tutuila (U. S. Samoa), Virgin Isl., U. S.

LETTERS: 3 cents per ounce, or fraction thereof. **POST CARDS:** Single 2 cents double 4 cents to the following:

Ahucemas Isl., Andorra, Argentina, Balearic Islands, Bolivia, Brazil, Canada, Canary Islands, Ceuta, Chafarinas or Zafarani Isl., Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Rep. of Labrador, Melilla, Mexico, Morocco (Spanish Zone), Newfoundland, Nicaragua, Panama, Rep. of Paraguay, Penon De Velez, De La Gomera, Peru, Rio de Oro, Salvador, El, Spain and certain Spanish possessions, Spanish Guinea, Tangier, Uruguay, Venezuela, Zafrina Island.

LETTERS: 5 cents first ounce or fraction thereof, 3 cents each additional ounce or fraction thereof. **POST CARDS:** Single 3 cents, double 6 cents, to all countries not listed above.

(Note: Picture and souvenir post cards, without a message other than a greeting of not more than 5 words, may be sent at the printed matter rate of 1 1/2c for each 2 ounces in the foreign mails.)

Registration: Applicable, if desired, to all letters and articles in the regular mails to all foreign countries (parcel post registration restricted in some instances).

International (Foreign) Parcel Post— (See your Postmaster).

Special Delivery: Fee 20 cents in addition to full regular postage to the following countries: Argentina, Australia, Bahamas, Belgium, Brazil, British Guiana, British Honduras, (Belize only) Chile, China, Corsica, Costa Rica, Cuba, Czechoslovakia, Cyprus, Denmark, Dominican Republic, Ecuador, Egypt, Ethiopia, Finland, France, Germany (American Zone, British Zone, French Zone Only), Gibraltar, Gold Coast Colony, Great Britain, Guatemala, Ireland, Israel, Kenya and Uganda, Luxemburg, Mexico, Morocco (Spanish), The Netherlands, Northern Ireland, Norway, Nyasaland Protectorate, Panama, Philippines, Poland, Portugal, St. Pierre and Miquelon, Somalia, Sweden, Switzerland, Trans-Jordan, and Union of South Africa. The (French) word "EXPRES" should be boldly marked in red ink directly below (but never on) the stamp. Special Delivery may also be applied to Canada and Newfoundland (including Labrador) (Certain places) but it is permitted only on letters, whereas to the other foreign countries mentioned above, it may be used on all regular mails, excepting parcel post. Special Delivery fees on Canada up to 2 lbs. 15 cents, over 2 lbs. up to 10 lbs. 25 cents, over 10 lbs. 35 cents.

Air Mail: For rates consult your postmaster.

Table of Days Between Two Dates

A TABLE OF THE NUMBER OF DAYS BETWEEN ANY TWO DAYS WITHIN TWO YEARS

Day Mo.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Day Mo.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	32	60	91	121	152	182	213	244	274	305	335	1	366	397	425	456	486	517	547	578	609	639	670	700
2	2	33	61	92	122	153	183	214	245	275	306	336	2	367	398	426	457	487	518	548	579	610	640	671	701
3	3	34	62	93	123	154	184	215	246	276	307	337	3	368	399	427	458	488	519	549	580	611	641	672	702
4	4	35	63	94	124	155	185	216	247	277	308	338	4	369	400	428	459	489	520	550	581	612	642	673	703
5	5	36	64	95	125	156	186	217	248	278	309	339	5	370	401	429	460	490	521	551	582	613	643	674	704
6	6	37	65	96	126	157	187	218	249	279	310	340	6	371	402	430	461	491	522	552	583	614	644	675	705
7	7	38	66	97	127	158	188	219	250	280	311	341	7	372	403	431	462	492	523	553	584	615	645	676	706
8	8	39	67	98	128	159	189	220	251	281	312	342	8	373	404	432	463	493	524	554	585	616	646	677	707
9	9	40	68	99	129	160	190	221	252	282	313	343	9	374	405	433	464	494	525	555	586	617	647	678	708
10	10	41	69	100	130	161	191	222	253	283	314	344	10	375	406	434	465	495	526	556	587	618	648	679	709
11	11	42	70	101	131	162	192	223	254	284	315	345	11	376	407	435	466	496	527	557	588	619	649	680	710
12	12	43	71	102	132	163	193	224	255	285	316	346	12	377	408	436	467	497	528	558	589	620	650	681	711
13	13	44	72	103	133	164	194	225	256	286	317	347	13	378	409	437	468	498	529	559	590	621	651	682	712
14	14	45	73	104	134	165	195	226	257	287	318	348	14	379	410	438	469	499	530	560	591	622	652	683	713
15	15	46	74	105	135	166	196	227	258	288	319	349	15	380	411	439	470	500	531	561	592	623	653	684	714
16	16	47	75	106	136	167	197	228	259	289	320	350	16	381	412	440	471	501	532	562	593	624	654	685	715
17	17	48	76	107	137	168	198	229	260	290	321	351	17	382	413	441	472	502	533	563	594	625	655	686	716
18	18	49	77	108	138	169	199	230	261	291	322	352	18	383	414	442	473	503	534	564	595	626	656	687	717
19	19	50	78	109	139	170	200	231	262	292	323	353	19	384	415	443	474	504	535	565	596	627	657	688	718
20	20	51	79	110	140	171	201	232	263	293	324	354	20	385	416	444	475	505	536	566	597	628	658	689	719
21	21	52	80	111	141	172	202	233	264	294	325	355	21	386	417	445	476	506	537	567	598	629	659	690	720
22	22	53	81	112	142	173	203	234	265	295	326	356	22	387	418	446	477	507	538	568	599	630	660	691	721
23	23	54	82	113	143	174	204	235	266	296	327	357	23	388	419	447	478	508	539	569	600	631	661	692	722
24	24	55	83	114	144	175	205	236	267	297	328	358	24	389	420	448	479	509	540	570	601	632	662	693	723
25	25	56	84	115	145	176	206	237	268	298	329	359	25	390	421	449	480	510	541	571	602	633	663	694	724
26	26	57	85	116	146	177	207	238	269	299	330	360	26	391	422	450	481	511	542	572	603	634	664	695	725
27	27	58	86	117	147	178	208	239	270	300	331	361	27	392	423	451	482	512	543	573	604	635	665	696	726
28	28	59	87	118	148	179	209	240	271	301	332	362	28	393	424	452	483	513	544	574	605	636	666	697	727
29	29	...	88	119	149	180	210	241	272	302	333	363	29	394	...	453	484	514	545	575	606	637	667	698	728
30	30	...	89	120	150	181	211	242	273	303	334	364	30	395	...	454	485	515	546	576	607	638	668	699	729
31	31	...	90	...	151	...	212	243	...	304	...	365	31	396	...	455	...	516	...	577	608	...	669	...	730

Actual Rate of Income

ON DIVIDEND PAYING STOCKS AT VARIOUS PRICES

Price %	4%	5%	6%	7%	8%	Price %	4%	5%	6%	7%	8%	Price %	4%	5%	6%	7%	8%
50	8.0	10.0	12.0	14.0	16.0	79	5.1	6.3	7.6	8.9	10.1	108	3.7	4.6	5.6	6.5	7.4
51	7.8	9.8	11.8	13.7	15.7	80	5.0	6.3	7.5	8.8	10.0	109	3.7	4.6	5.5	6.4	7.3
52	7.7	9.6	11.5	13.5	15.4	81	4.9	6.2	7.4	8.6	9.9	110	3.6	4.6	5.5	6.4	7.3
53	7.6	9.4	11.3	13.2	15.1	82	4.9	6.1	7.3	8.5	9.8	111	3.6	4.5	5.4	6.3	7.2
54	7.4	9.3	11.1	13.0	14.8	83	4.8	6.0	7.2	8.4	9.6	112	3.6	4.5	5.4	6.3	7.1
55	7.3	9.1	10.9	12.7	14.6	84	4.8	6.0	7.1	8.3	9.5	113	3.5	4.4	5.3	6.2	7.1
56	7.1	8.9	10.7	12.5	14.3	85	4.7	5.9	7.1	8.2	9.4	114	3.5	4.4	5.3	6.1	7.0
57	7.0	8.8	10.5	12.3	14.0	86	4.7	5.8	7.0	8.1	9.3	115	3.5	4.4	5.2	6.1	7.0
58	6.9	8.6	10.3	12.1	13.8	87	4.6	5.8	6.9	8.1	9.2	116	3.5	4.3	5.2	6.0	6.9
59	6.8	8.5	10.2	11.9	13.6	88	4.6	5.7	6.8	8.0	9.1	117	3.4	4.3	5.1	6.0	6.8
60	6.7	8.3	10.0	11.7	13.3	89	4.5	5.6	6.7	7.9	9.0	118	3.4	4.2	5.1	5.9	6.8
61	6.6	8.2	9.8	11.5	13.1	90	4.4	5.6	6.7	7.8	8.9	119	3.4	4.2	5.0	5.9	6.7
62	6.5	8.1	9.7	11.3	12.9	91	4.4	5.5	6.6	7.7	8.8	120	3.3	4.2	5.0	5.8	6.7
63	6.4	7.9	9.5	11.1	12.7	92	4.4	5.4	6.5	7.6	8.7	125	3.2	4.0	4.8	5.6	6.4
64	6.3	7.8	9.4	10.9	12.5	93	4.3	5.4	6.5	7.5	8.6	130	3.1	3.9	4.6	5.4	6.2
65	6.2	7.7	9.2	10.8	12.3	94	4.3	5.3	6.4	7.5	8.5	135	3.0	3.7	4.4	5.2	5.9
66	6.1	7.6	9.1	10.6	12.1	95	4.2	5.3	6.3	7.4	8.4	140	2.9	3.6	4.3	5.0	5.7
67	6.0	7.5	9.0	10.5	11.9	96	4.2	5.2	6.3	7.3	8.3	145	2.8	3.5	4.1	4.8	5.5
68	5.9	7.4	8.8	10.3	11.8	97	4.1	5.2									

Distances and Mail Time from New York to Cities in United States

Cities in United States	Miles	Time (hours)	Cities in United States	Miles	Time (hours)
Albany, N. Y.	145	3	Louisville, Ky.	865	22
Atlanta, Ga.	876	26	Memphis, Tenn.	1,158	36
Baltimore, Md.	187	5	Milwaukee, Wis.	994	25
Birmingham, Ala.	990	31	Nashville, Tenn.	998	28
Bismarck, N. Dak.	1,753	49	New Orleans, La.	1,345	41
Boston, Mass.	232	6	Ogden, Utah.	2,397	61
Buffalo, N. Y.	396	10	Oklahoma City, Okla.	1,596	42
Charleston, S. Car.	736	21	Omaha, Neb.	1,397	35
Cheyenne, Wyo.	1,913	46	Philadelphia, Pa.	92	2
Chicago, Ill.	909	21	Pittsburgh, Pa.	441	11
Cincinnati, Ohio.	751	18	Portland, Me.	341	11
Cleveland, Ohio.	579	14	Portland, Ore.	3,162	80
Dallas, Tex.	1,739	45	Raleigh, N. Car.	500	16
Denver, Colo.	1,943	57	Reno, Nev.	2,936	74
Des Moines, Ia.	1,267	33	Richmond, Va.	343	10
Detroit, Mich.	648	15	St. Louis, Mo.	1,053	25
El Paso, Tex.	2,298	66	St. Paul, Minn.	1,307	32
Hartford, Conn.	112	4	San Antonio, Tex.	1,916	54
Helena, Mont.	2,438	69	San Francisco, Cal.	3,180	83
Indianapolis, Ind.	812	19	Savannah, Ga.	845	25
Jacksonville, Fla.	982	29	Seattle, Wash.	3,107	80
Kansas City, Mo.	1,331	37	Spokane, Wash.	2,787	69
Key West, Fla.	1,504	54	Toledo, Ohio.	701	17
Little Rock, Ark.	1,291	35	Tucson, Ariz.	2,611	76
Los Angeles, Cal.	3,111	85	Washington, D. C.	227	6

Distances and Mail Time to Foreign Cities from New York City

By Postal Route to—	Statute Miles	Days	By Postal Route to—	Statute Miles	Days
Adelaide, Australia	11,843	32	Istanbul, Turkey	5,809	22
Alexandria, Egypt	6,135	17	Lima, Peru	3,807	14
Amsterdam, Netherlands	4,043	11	Lisbon, Portugal	5,342	12
Antwerp, Belgium	4,015	11	Liverpool, England	3,707	10
Athens, Greece	5,432	18	London, England	3,964	9
Bagdad, Mesopotamia	14,229	42	Madrid, Spain	4,851	13
Belgrade, Jugoslavia	5,217	13	Manila, Phillipine Islands	11,206	30
Berlin, Germany	4,597	12	Melbourne, Australia	11,253	31
Berne, Switzerland	4,349	12	Mexico City, Mexico	3,760	6
Bombay, British India	9,434	25	Natal, South Africa	11,974	30
Brussels, Belgium	4,137	11	Para, Brazil	3,392	15
Budapest, Hungary	4,965	13	Paris, France	3,946	10
Buenos Ayres, Argentina	6,914	18	Leningrad, Russia	5,639	18
Calcutta, British India	11,324	28	Quebec, Quebec	555	2
Cape Town, So. Africa	11,033	27	Rio de Janeiro, Brazil	5,493	13
Christiania, Norway	4,342	13	Rome, Italy	4,854	14
Colombo, Ceylon	9,932	30	St. John's, Newfoundland	628	3
Colon, Panama	2,273	7	Santiago, Chili	5,398	22
Copenhagen, Denmark	4,639	13	Shanghai, China	9,530	23
Dublin, Ireland	4,287	10	Singapore, Straits Set's	13,358	36
Glasgow, Scotland	3,656	10	Stockholm, Sweden	5,405	15
Havana, Cuba	1,560	3	Valparaiso, Chili	5,335	21
Hamburg, Germany	4,317	11	Vienna, Austria	4,795	14
Hong Kong, China	10,453	23	Vladivostok, Siberia	11,343	25
Honolulu, Hawaii	5,599	12	Yokohama, Japan	8,717	18

Common Stains and How to Remove Them

Blood and meat juice. Use cold water; soap and cold water; or starch paste.

Bluing. Use boiling water.

Chocolate and cocoa. Use borax and cold water; bleach if necessary.

Coffee and tea. (Clear.)—Use boiling water; bleach if necessary. (With cream.)—Use cold water, then boiling water; bleach if necessary.

Cream and milk. Use cold water, then soap and cold water.

Egg. Use cold water.

Fruit and fruit juices. Use boiling water; bleach if necessary.

Grass. Use cold water; soap and cold water; alcohol; or a bleaching agent.

Grease and oils. Use French chalk, blotting paper or other absorbent; or warm water and soap; or gasoline, benzine, or carbon tetrachloride.

Iodine. Use warm water and soap; alcohol; or ammonia.

Ink. Try cold water; then use an acid or bleach if necessary.

Iron. Use oxalic acid; hydrochloric acid; salts of lemon; or lemon juice and salt.

Kerosene. Use warm water and soap.

Lampblack and soot. Use kerosene, benzine, chloroform, ether, gasoline, or carbon tetrachloride.

Medicine. Use alcohol.

Mildew. If fresh, use cold water; otherwise try to bleach with javelle water or potassium permanganate.

Paint and varnish. Use alcohol, carbon tetrachloride, chloroform, or turpentine.

Perspiration. Use soap and warm water; bleach in the sun or with javelle water or potassium permanganate.

Pitch, tar, and wheel grease. Rub with fat; then use soap and warm water; or benzine, gasoline, or carbon tetrachloride.

Scorch. Bleach in the sunshine or with javelle water.

Shoe polish. (Black.)—Use soap and water; or turpentine. (Tan.)—Use alcohol.

Syrup. Use water.

Stove polish. Use cold water and soap; or kerosene, benzine, or gasoline.

Vaseline. Use kerosene or turpentine.

Water. Steam or sponge the entire surface of water-spotted materials.

Wax. Scrape off as much as possible. Use French chalk, blotting paper or other absorbent, with a warm iron; or use benzine or gasoline. If color remains, use alcohol or bleach.

ACTUAL TIME IN USE IN THE LARGEST CITIES OF THE WORLD WHEN IT IS 12:00 NOON, WASHINGTON

Athens	7:00 P. M.	Melbourne	next day... 3:00 A. M.
Auckland next day	3:00 A. M.	Milwaukee	... 11:00 A. M.
Berlin	6:00 P. M.	Minneapolis	... 11:00 A. M.
Bombay	10:30 P. M.	Natal	... 7:00 P. M.
Boston	12:00 noon	New Orleans	... 11:00 A. M.
Buffalo	12:00 noon	New York	... 12:00 noon
Cape Town	7:00 P. M.	Omaha	... 11:00 A. M.
Chicago	11:00 A. M.	Ottawa	... 12:00 noon
Cincinnati	11:00 A. M.	Panama	... 12:00 noon
Cleveland	12:00 noon	Paris	... 5:00 P. M.
Constantinople	7:00 P. M.	Philad'p'a	... 12:00 noon
Denver	10:00 A. M.	Pittsb'r'g	... 12:00 noon
Detroit	12:00 noon	Portland	... 9:00 A. M.
Galveston	11:00 A. M.	Quebec	... 12:00 noon
Halifax	1:00 P. M.	Rio de J'n'ro	... 2:00 P. M.
Hamburg	6:00 P. M.	Rome	... 6:00 P. M.
Havana	11:31 A. M.	Salt L. City	... 10:00 A. M.
Hong Kong	next day... 1:00 A. M.	San Francisco	... 9:00 A. M.
Honolulu	6:30 A. M.	St. Louis	... 11:00 A. M.
Jerusalem	7:00 P. M.	Seattle	... 9:00 A. M.
Kansas City	11:00 A. M.	Suez	... 7:00 P. M.
Lisbon	4:24 P. M.	Toledo	... 12:00 noon
Liverpool	5:00 P. M.	Vancouver	... 9:00 A. M.
London	5:00 P. M.	Vienna	... 6:00 P. M.
Madrid	5:00 P. M.	Winnipeg	... 11:00 A. M.
Manila next day	1:00 A. M.	Yokohama	next day... 2:00 A. M.

RATES OF INTEREST IN ALL THE STATES

States and Territories	Legal Rate	Special Contract Rate	States and Territories	Legal Rate	Special Contract Rate
Alabama	8	8	Nebraska	7	10
Arkansas	6	10	Nevada	7	..
Arizona	6	12	N. Hamp	6	6
California	7	..	N. Jersey	6	6
Colorado	8	..	N. Mexico	6	12
Conn.	6	6	New York	6	6
Delaware	6	6	N. Carolina	6	6
D. C.	6	10	N. Dakota	7	12
Florida	8	10	Ohio	6	8
Georgia	7	8	Oklahoma	6	12
Idaho	7	12	Oregon	6	10
Illinois	5	7	Penn.	6	6
Indiana	6	8	R. Island	6	..
Iowa	6	8	S. Carolina	7	8
Kansas	6	10	S. Dakota	7	12
Kentucky	6	6	Tennessee	6	6
Louisiana	5	8	Texas	6	10
Maine	6	..	Utah	8	12
Maryland	6	6	Vermont	6	6
Mass.	6	..	Virginia	6	6
Michigan	5	7	Wash.	6	12
Minnesota	6	10	W. Va.	6	6
Mississippi	6	10	Wisconsin	6	10
Missouri	6	8	Wyoming	8	12
Montana	8	..			

Rules for Computing Interest

The following will be found to be excellent rules for finding the interest on any principal for any number of days. When principal contains cents, point off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, point off two places.

TWO PER CENT.—Multiply the principal by the number of days to run, and divide by 180.

TWO AND ONE-HALF PER CENT.—Multiply by number of days, and divide by 146.

THREE PER CENT.—Multiply by number of days, and divide by 120.

THREE AND ONE-HALF PER CENT.—Multiply by number of days and divide by 104.

FOUR PER CENT.—Multiply by number of days, and divide by 90.

FIVE PER CENT.—Multiply by number of days, and divide by 72.

SIX PER CENT.—Multiply by number of days, and divide by 60.

SEVEN PER CENT.—Multiply by number of days and divide by 52

EIGHT PER CENT.—Multiply by number of days, and divide by 45.

NINE PER CENT.—Multiply by number of days, and divide by 40.

TEN PER CENT.—Multiply by number of days, and divide by 36.

TWELVE PER CENT.—Multiply by number of days, and divide by 30.

FIFTEEN PER CENT.—Multiply by number of days, and divide by 24.

Interest Tables

TWO PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day.	0	0	0	0	0	0	0	0	0	0	2	22
8 "	0	0	0	0	0	0	0	0	0	0	4	44
12 "	0	0	0	0	0	0	0	1	1	1	7	67
16 "	0	0	0	0	0	1	1	1	1	1	9	89
20 "	0	0	0	1	1	1	1	1	1	1	11	1.11
24 "	0	0	0	1	1	1	1	1	1	1	13	1.33
28 "	0	0	0	1	1	1	1	1	1	2	16	1.56
1 Mo.	0	0	1	1	1	1	1	2	2	2	17	1.67
2 "	0	1	1	1	1	2	2	3	3	3	33	3.33
3 "	1	1	2	2	3	3	4	4	5	5	50	5.00
4 "	1	1	2	3	3	4	5	5	6	7	67	6.67
5 "	1	2	3	3	4	5	6	7	8	8	83	8.33
6 "	1	2	3	4	5	6	7	8	9	10	100	10.00
1 Yr.	2	4	6	8	10	12	14	16	18	20	2.00	20.00

THREE PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day.	0	0	0	0	0	0	0	1	1	1	4	34
8 "	0	0	0	1	1	1	1	1	1	1	7	67
12 "	0	0	1	1	1	1	1	1	1	1	10	1.00
16 "	0	1	1	1	1	1	1	1	1	2	14	1.34
20 "	1	1	1	1	1	1	2	2	2	2	17	1.67
24 "	1	1	1	1	1	2	2	2	2	2	20	2.00
28 "	1	1	1	1	2	2	2	2	3	3	25	2.50
1 Mo.	1	1	1	2	2	2	2	3	3	3	25	2.50
2 "	1	2	2	2	3	3	4	4	5	5	50	5.00
3 "	1	2	3	3	4	5	6	6	7	8	75	7.50
4 "	1	2	3	4	5	6	7	8	9	10	100	10.00
5 "	2	3	4	5	6	7	8	9	10	12	131.25	12.50
6 "	2	3	5	6	8	9	11	12	14	15	150	15.00
1 Yr.	3	6	9	12	15	18	21	24	27	30	3.00	30.00

TWO AND ONE-HALF PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day.	0	0	0	0	0	0	0	0	0	0	3	28
8 "	0	0	0	0	0	0	1	1	1	1	6	56
12 "	0	0	0	0	1	1	1	1	1	1	9	84
16 "	0	0	0	1	1	1	1	1	1	1	11	1.11
20 "	0	0	1	1	1	1	1	2	2	2	14	1.14
24 "	0	0	1	1	1	2	2	2	2	2	17	1.67
28 "	0	1	1	1	2	2	2	2	2	2	20	1.70
1 Mo.	0	1	1	1	2	2	2	2	2	2	21	2.09
2 "	1	1	2	2	2	3	3	4	4	5	42	4.17
3 "	1	2	2	3	3	4	5	5	6	7	63	6.25
4 "	1	2	3	3	5	5	6	7	8	9	84	8.34
5 "	1	2	4	5	6	7	8	9	10	11	105	10.44
6 "	2	3	4	5	7	8	9	10	12	13	125	12.50
1 Yr.	3	5	8	10	13	15	18	20	23	25	2.50	25.00

SIX PER CENT

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1,000
4 Day.	0	0	0	0	0	0	0	1	1	1	7	67
8 "	0	0	0	1	1	1	1	1	1	1	13	1.33
12 "	0	0	1	1	1	1	1	2	2	2	20	2.00
16 "	0	1	1	1	1	2	2	2	2	3	27	2.67
20 "	1	1	1	2	2	2	3	3	3	3	33	3.33
24 "	1	1	1	2	2	3	3	4	4	4	40	4.00
28 "	1	1	1	2	2	3	3	4	4	5	47	4.67
1 Mo.	1	1	2	2	3	3	4	4	5	5	50	5.00
2 "	1	2	3	4	5	6	7	8	9	10	100	10.00
3 "	2	3	5	6	8	9	11	12	14	15	150	15.00
4 "	2	4	6	8	10	12	14	16	18	20	200	20.00
5 "	3	5	8	10	13	15	18	20	23	25	250	25.00
6 "	3	6	9	12	15	18	21	24	27	30	300	30.00
1 Yr.	6	12	18	24	30	36	42	48	54	60	6.00	60.00

Business Laws

Principals are responsible for the acts of their agents.

Contracts made on Sunday cannot be enforced. Written contracts concerning land must be under seal.

Notes do not bear interest unless it is so stated.

If a note is lost or stolen, the maker is not released if the consideration and amount can be proved.

Demand notes are payable when presented, without grace, and bear legal interest after a demand, if not so written.

An endorser on a demand note can be held only for a limited time, variable in different states.

To be negotiable a note must either be made payable to bearer or be properly endorsed by the person to whose order it is made.

If the endorser desires to avoid responsibility, he can endorse "without recourse."

Notes becoming due on Sunday or a legal holiday are, as a rule, payable on the day following.

A note made on Sunday, or one dated ahead of its issue, is void, but it may be dated back.

If a note is altered in any way by the holder it becomes void.

A note made by a minor is void in some States and is voidable on judicial decision in others.

A contract with a minor or a lunatic is void.

If a note is not paid when due, the endorsers, if any, should be legally notified to be holden.

A note obtained by fraud or given by an intoxicated person cannot be collected.

It is a fraud to conceal a fraud.

Signatures with a lead pencil are good in law.

The acts of one partner bind the others.

Each individual in a partnership is responsible for all the debts of the firm except in the case of a special partnership.

The word "limited" in connection with firm names indicates a limitation of responsibility for each member.

An agreement without consideration of value is void.

"Value received" should be written in a note, but it is not necessary. When not written, it is presumed by law or may be shown by proof.

A consideration is not sufficient in law if it is illegal in its nature.

An endorser of a note is exempt from liability if not served with a notice of its dishonor within 24 hours of its non-payment.

If a letter containing notice of protest of non-payment be put into the Post Office, any miscarriage does not affect the party giving notice.

Notice of protest may be sent either to the place of business or residence of the party notified.

A receipt for money is not legally conclusive.

Points of Constitutional Law

Congress must meet at least once a year. Congress may admit as many new States as desired.

One State cannot undo the act of another.

By the constitution every citizen is guaranteed a speedy trial by jury.

A power which is vested in Congress alone cannot be exercised by a State.

One State must respect the legal decisions and laws of another.

Congress cannot pass a law to punish for a crime already committed.

A person who commits a felony in one State cannot find refuge in another.

Bills for revenue can originate only in the House of Representatives, but the Senate may propose or concur with amendments.

Treaties with foreign powers are made by the President and ratified by the Senate.

The territories each have a delegate to Congress who is allowed the privilege of debate, but not the right to vote.

The Vice-President, who ex-officio presides over the Senate, has no vote in that body except in case of a tie ballot.

If the President holds a bill longer than ten days while Congress is in session it becomes a law without his signature.

An act of Congress cannot become a law over the President's veto except on a two-thirds vote of both Houses.

The House of Representatives may impeach the President for any crime, but the Senate has the sole power to try all impeachments.

An officer of the United States Government is not permitted to accept any title of nobility, order of honor, except with the permission of Congress.

Amendments to the Constitution of the United States require a two-thirds vote of each House of Congress, and must be ratified by at least three-fourths of the States.

The President of the United States must be at least 35 years of age; a Senator, 30; a Congressman, 25. The President must have been a resident within the United States fourteen years.

A naturalized citizen is not eligible to the office of President of the United States. A male child born in a foreign land to American parents has an equal chance to become the President with one born on American soil.

The United States shall guarantee to every State a republican form of government, and shall protect each of them against invasion, and on application of the Legislature or of the Executive (when the Legislature cannot be convened) against domestic trouble.

Good Rules for Business Men

Don't worry; don't overbuy; don't go security. Keep your vitality up; keep insured; keep sober; keep cool.

Stick to chosen pursuits, but not to chosen methods.

Be content with small beginnings and develop them.

Be wary of dealing with unsuccessful men.

Be cautious, but when a bargain is made stick to it.

Keep down expenses, but don't be stingy. Make friends, but not favorites.

Don't take new risks to retrieve old losses. Stop a bad account at once.

Make plans ahead, but don't make them in cast iron.

Don't tell what you are going to do until you have done it.

Weights and Measures

APOTHECARIES' WEIGHT

20 grains... 1 scruple 8 drams... 1 ounce
 3 scruples... 1 dram 12 ounces... 1 pound
 Ounce and pound are the same as in Troy Weight.

AVOIRDUPOIS WEIGHT

27 $\frac{1}{8}$ grains... 1 dram 25 pounds... 1 quarter
 16 drams... 1 ounce 4 quarters... 1 cwt.
 16 ounces... 1 pound 2,000 lbs... 1 short ton
 2,240 pounds... 1 long ton

TROY WEIGHT

24 grains... 1 pwt.
 20 pwt... 1 ounce 12 ounces... 1 pound
 Used for weighing gold, silver and jewels.

CLOTH MEASURE

2 $\frac{1}{4}$ inches... 1 nail 4 nails... 1 quarter
 4 quarters... 1 yard

CUBIC MEASURE

1,728 cubic inches... 1 cubic foot
 27 cubic feet... 1 cubic yard
 128 cubic feet... 1 cord (wood)
 40 cubic feet... 1 ton (shipping)
 2,150.42 cubic inches... 1 standard bushel
 231 cubic inches... 1 U. S. standard gallon
 1 cubic foot... about 4/5 of a bushel

DRY MEASURE

2 pints... 1 quart 4 pecks... 1 bushel
 8 quarts... 1 peck 36 bushels... 1 chaldron

LIQUID MEASURE

4 gills... 1 pint 4 quarts... 1 gallon
 2 pints... 1 quart 31 $\frac{1}{2}$ gals... 1 barrel
 2 barrels... 1 hogshead

LONG MEASURE

12 inches... 1 foot 40 rods... 1 furlong
 3 feet... 1 yard 8 furlongs... 1 sta. mile
 5 $\frac{1}{2}$ yards... 1 rod 3 miles... 1 league

MARINERS' MEASURE

6 feet = 1 fathom. 120 fathoms = 1 cable length
 7 $\frac{1}{2}$ cable lengths... 1 mile
 5,280 feet... 1 statute mile
 6,085 feet... 1 nautical mile

PAPER MEASURE

24 sheets, 1 quire; 20 quires, 1 ream (480 sheets)
 2 reams... 1 bundle 5 bundles... 1 bale

SQUARE MEASURE

144 sq. in. 1 sq. ft. 40 sq. rods. 1 rood
 9 sq. ft... 1 sq. yard 4 roods... 1 acre
 30 $\frac{1}{4}$ sq. yds. 1 sq. rod 640 acres... 1 sq. mile

SURVEYORS' MEASURE

7.92 inches... 1 link
 25 links... 1 rod
 4 rods... 1 chain
 10 sq. chains or 160 sq. rods... 1 acre
 640 acres... 1 sq. mile
 36 sq. miles (6 miles sq.)... 1 township

TIME MEASURE

60 seconds = 1 minute... 60 minutes = 1 hour
 24 hours = 1 day... 7 days = 1 week
 28, 29, 30 or 31 days... 1 calendar month
 30 days = 1 month... in computing interest
 365 days = 1 year... 366 days = 1 leap year

MISCELLANEOUS

3 inches = 1 palm... 4 inches = 1 hand
 6 inches = 1 span... 18 inches = 1 cubit
 21.8 inches... 1 Bible cubit
 2 $\frac{1}{2}$ cet... 1 military pace

METRIC EQUIVALENTS—Linear Measure

1 centimeter... 0.3937 inch
 1 inch... 2.54 centimeters
 1 decimeter... 3.937 inches... 0.328 foot
 1 foot... 3.048 decimeters
 1 meter... 39.37 inches... 1.0936 yards
 1 yard... 0.9144 meter
 1 dekameter... 1.9884 rods
 1 rod... 0.5029 dekameter
 1 kilometer... 0.62137 mile
 1 mile... 1.6093 kilometers

Square Measure

1 square centimeter... 0.1550 square inch
 1 square inch... 6.452 square centimeters
 1 square decimeter... 0.1076 square foot
 1 square foot... 9.2903 square decimeters
 1 square meter... 1.196 square yards
 1 square yard... 0.8361 square meter
 1 acre... 3.954 square rods
 1 square rod... 0.2529 acre
 1 hectare... 2.47 acres
 1 acre... 0.4047 hectare
 1 square kilometer... 0.386 square mile
 1 square mile... 2.59 square kilometers

Measure of Volume

1 cubic centimeter... 0.061 cubic inch
 1 cubic inch... 16.39 cubic centimeters
 1 cubic decimeter... 0.0353 cubic foot
 1 cubic foot... 28.317 cubic decimeters
 1 cubic meter... 1.308 cubic yards
 1 cubic yard... 0.7646 cubic meter
 1 stere... 0.2759 cord
 1 cord... 3.624 steres
 1 liter = 0.908 quart dry... 1.0567 quarts liquid
 1 quart dry... 1.101 liters
 1 quart liquid... 0.9463 liter
 1 dekaliter = 2.6417 gallons... 135 pecks
 1 gallon... 0.3785 dekaliter
 1 peck... 0.881 dekaliter
 1 hektoliter... 2.8375 bushels
 1 bushel... 0.3524 hektoliter

Weights

1 gram... 0.03527 ounce
 1 ounce... 28.35 grams
 1 kilogram... 2.2046 pounds
 1 pound... 0.4536 kilogram
 1 metric ton... 1.1023 English tons
 1 English ton... 0.9072 metric ton

APPROXIMATE METRIC EQUIVALENTS

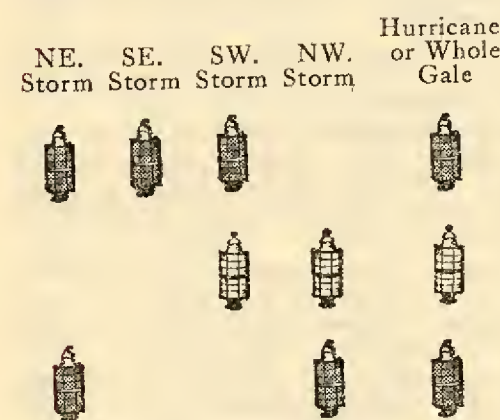
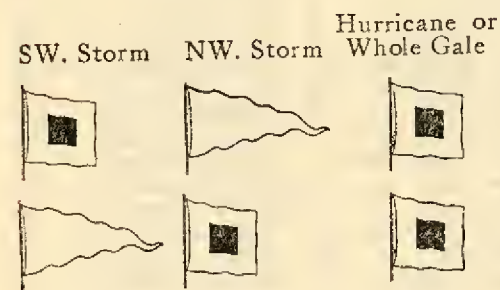
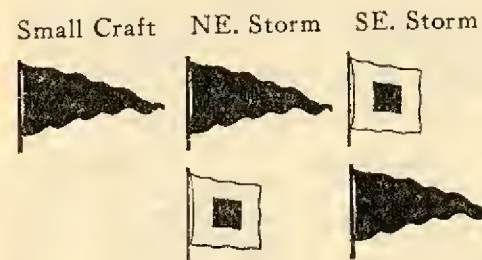
1 decimeter... 4 inches
 1 liter... 1.06 quarts liquid, 0.9 quart dry
 1 meter... 1.1 yards
 1 kilometer... $\frac{5}{8}$ of a mile
 1 hektoliter... 2 $\frac{1}{2}$ bushels
 1 hectare... 2 $\frac{1}{2}$ acres
 1 kilogram... 2-1/5 pounds
 1 stere, or cubic meter... $\frac{1}{4}$ of a cord
 1 metric ton... 2,200 pounds

TEMPERATURES

Fahrenheit

Milk... Freezes 30° above Zero
 Water... Freezes 32° above Zero
 Olive Oil... Freezes 36° above Zero
 Wines... Freezes 20° above Zero
 Vinegar... Freezes 28° above Zero
 Alcohol... Boils at 173° above Zero
 Water... Boils at 212° above Zero
 Petroleum (average)... Boils at 306° above Zero
 Blood Heat... 98.4° above Zero
 Eggs Hatch... 104° above Zero

Explanation of Weather Bureau Flag Signals



EXPLANATION OF SMALL CRAFT, STORM, AND HURRICANE WARNINGS

The Small Craft Warning—A red pennant indicates that moderately strong winds that will interfere with the safe operation of small craft are expected.

The Northeast Storm Warning—A red pennant *above* a square red flag with black center displayed by day, or two red lanterns, one above the other, displayed by night, indicates the approach of a storm of marked violence with winds beginning from the *northeast*.

The Southeast Storm Warning—A red pennant *below* a square red flag with black center displayed by day, or one red lantern displayed by night, indicates the approach of a storm of marked violence with winds beginning from the *southeast*.

The Southwest Storm Warning—A white pennant *below* a square red flag with black center displayed by day, or a white lantern *below* a red lantern displayed by night, indicates the approach of a storm of marked violence with winds beginning from the *southwest*.

The Northwest Storm Warning—A white pennant *above* a square red flag with black center displayed by day, or a white lantern *above* a red lantern displayed by night, indicates the approach of a storm of marked violence with winds beginning from the *northwest*.

Hurricane, or Whole Gale Warning—Two square flags, red with black centers, one above the other, displayed by day, or two red lanterns, with a white lantern between, displayed by night, indicates the approach of a tropical hurricane, or one of the extremely severe and dangerous storms which occasionally occur.

Weather Wisdom

Sunset Colors: A gray, lowering sunset, or one where the sky is green or yellowish-green, indicates rain. A red sunrise with clouds lowering later in the morning, also indicates rain.

Sky Color: A deep blue color of the sky, even when seen through clouds, indicates fair weather; a glowing whiteness an approaching storm.

Visibility: Unusual clearness of the atmosphere, unusual brightness or twinkling of the stars indicate rain.

Fogs: Fogs indicate settled weather. A morning fog usually breaks away before noon.

Frost: The first frost and the last frost are usually preceded by a temperature very much above the mean.

Halo (Sun Dogs): By halo we mean the large circles, or part of circles, about the sun or moon. A halo occurring after fine weather indicates a storm.

Corona: By this term we mean the small colored circles frequently seen around the sun or moon. A corona growing smaller indicates rain; growing larger, fair weather.

Rainbows: A morning rainbow is regarded as a sign of rain; an evening rainbow of fair weather.

Help in Case of Accident

KEEP COOL—SEND FOR A PHYSICIAN

WOUNDS—Remove patient to a quiet, airy place. Have hot and cold water, several basins, clean towels, cloth and soap. Apply antiseptic treatment as follows:

Thoroughly cleanse your own hands and nails; then cleanse the wounds with some antiseptic. The most easily procured is salt and water. Put a handful of salt in a quart of water and use freely. After the wound is cleansed, it must then be protected from new germs by some covering made germ free by baking, boiling, or ironing. After the salt solution has been carefully used, apply strips of gauze soaked in warm water which has been boiled. This will leave the wound in good condition.

If a more active antiseptic than salt, such as Carbolic Acid (1 per cent) or Bichloride of Mercury (1 part to 2000 of water), is available, it should be used.

ARTIFICIAL RESPIRATION—When the patient is removed from the water, gas, smoke, or electric contact, get to work at once with your own hands.

Lay the patient on his stomach. Extend one arm directly over head. Bend the other arm at elbow, and rest patient's cheek on hand, to keep the nose and mouth off the ground and free for breathing.

Kneel facing forward, and straddling patient's legs just above the knees. Place palms of hands on each side of back, just above the belt line, and about four inches apart, thumbs and fingers together, the little fingers over and following the line of the lowest ribs, and the tips of fingers just out of sight.

With arms straight lean gradually forward, pressing downward and forward and counting slowly, one, two, three. Snap your hands sideways, off patient's back. Swing your body back, counting slowly, four, five. Rest. Straighten arms and repeat pressure.

Three movements straight arm pressure (shoulder behind hands to exert forward pressure), quick release and swing back. Keep up work steadily until breathing begins and continues naturally.

When helpers arrive put them to work; send for physician; clean patient's mouth of obstructions; stimulate reflexes; loosen tight clothing; rub legs and body toward heart; supply clothing and other heated articles and relieve operator when tired. Place aromatic spirits of ammonia near patient's nose at frequent intervals. When patient begins to breathe naturally, and can swallow, give a teaspoonful of aromatic spirits ammonia in half glass of water, or some hot coffee or tea.

Don't get discouraged. Stick to it for two even three hours if necessary.

IN CASE OF POISON

First. Send for a physician.

Second. Empty the stomach by an emetic—a teaspoonful of mustard or two teaspoonfuls of common salt in tepid water; teaspoonful of alum in water. Tickle the throat with a feather or finger. Apply antidotes as follows:

Poison	Antidote	Poison	Antidote
No.	No.	No.	No.
Acetic Acid..... 6	Laudanum..... 1	Alcoholic Liquors... 10	Lye..... 5
Ammonia..... 9	Morphine..... 1	Antimony..... 5	Muriatic Acid..... 6
Aqua fortis..... 6	Nitre..... 9	Arsenic..... 2	Nitric Acid..... 6
Bitter Almond..... 7	Opium..... 1	Blue Vitriol..... 3	Oxalic Acid..... 6
Bug Poison..... 3	Paris Green..... 2	Carbolic Acid..... 3	Phosphorus..... 2
Carbonic Acid Gas... 10	Prussic Acid..... 7	Charcoal Fumes... 10	Rat Poison..... 2
Chloride of Zinc... 5	Salt-petre..... 9	Chloroform inhaled. 10	Sugar of Lead.... 4
" swallowed. 1	Sulphuric Acid.... 8	Coal Gas..... 10	Strychnine..... 1
Copperas..... 3	Tartar Emetic.... 6	Corrosive Sublimate. 3	Toad-stools..... 4
Ether inhaled..... 10	White Lead..... 4	" swallowed..... 1	White Vitriol.... 5

1. Emetic. If patient is drowsy, give cold coffee; keep awake and moving.

2. Emetic. Warm extremities; give large doses of magnesia; raw eggs; lime water; milk; flour and water.

3. White of eggs, milk, flour and water; give largely for ten minutes, then give emetic and follow by mild stimulants.

4. Mustard emetic followed by Epsom salt.

5. Emetic. Give warm water to relieve vomiting; tea to tablespoonful baking powder, saleratus, chalk, lime or magnesia, followed by milk and white of egg.

6. Emetic. Baking powder, etc., as in No. 5, followed by linseed tea or slippery elm tea.

7. Emetic. Followed by brandy or by teaspoonful ammonia in pint of water.

8. Large quantities of water followed by large doses of magnesia or lime.

9. Drink diluted vinegar or lemon juice, follow with tablespoonful castor oil, cream, sweet oil or linseed oil; then with teaspoonful doses an hour apart for three hours.

10. Fresh air, inhalation of ammonia; warm extremities; artificial breathing, as in drowning.

Approximate Weight of Substances

Brick, pressed, best..... 150 lbs. per cu. ft.	Lead..... 709.6 lbs. per cu. ft.
Brick, common, hard..... 125 " " "	Limestone, marble, ordinarily 168 " " "
Brick, common, soft..... 100 " " "	Limestone, marble, piled... 96 " " "
coal, broken (anthra.), loose..... 52-56 " " "	Masonry, granite, dressed... 165 " " "
Coal, broken (bitu), loose... 47-52 " " "	Masonry, sandstone..... 145 " " "
Cement, concrete, limestone. 148 " " "	Sand, pure quartz, dry, loose..... 112-113 " " "
Cement, concrete, cinder... 112 " " "	lbs. per struck bu..... 90-106 " " "
Cement, concrete, stone... 150 " " "	Sand, ang., large and small... 117 " " "
Cement, concrete, trap rock... 155 " " "	Sandstone, dry for building... 151 " " "
Granite..... 170 " " "	Sandstone, quarried, piled... 86 " " "
Hemlock, dry..... 25 " " "	Shales, red or black..... 162 " " "
Hickory, dry..... 53 " " "	Shales, quarried, piled... 92 " " "
Ice..... 57-0 " " "	Slate..... 175 " " "
Iron, cast..... 450 " " "	Soapstone or steatite..... 170 " " "
Iron, wrought..... 485 " " "	Steel, heav'ts, low'st in carb'n 490 " " "

Presidents of the United States

No.	Name	Age	Born	Inaug.	Term in Office	Native of	Died	Party
1	George Washington	57	Feb., 22, 1732	1789	8 years	Virginia	Dec. 14, 1799	Federal
2	John Adams	61	Oct. 30, 1735	1797	4 "	Mass.	July 4, 1826	"
3	Thomas Jefferson	57	Apr. 13, 1743	1801	8 "	Virginia	July 4, 1826	Dem-Rep
4	James Madison	57	Mar. 16, 1751	1809	8 "	"	June 28, 1836	"
5	James Monroe	58	Apr. 28, 1758	1817	8 "	"	July 4, 1831	"
6	John Quincy Adams	57	July 11, 1767	1825	4 "	Mass.	Feb. 23, 1848	Coalition
7	Andrew Jackson	61	Mar. 15, 1767	1829	8 "	N. Car.	June 8, 1845	Dem.
8	Martin Van Buren	54	Dec. 5, 1782	1837	4 "	N. Y.	July 24, 1862	"
9	Wm. H. Harrison	68	Feb. 9, 1773	1841	1 month	Virginia	Apr. 4, 1841	Whig
10	John Tyler	51	Mar. 29, 1790	1841	3 yrs. 11 mos.	"	Jan. 18, 1862	"
11	James Knox Polk	49	Nov. 2, 1795	1845	4 years	N. Car.	June 15, 1849	Dem.
12	Zachary Taylor	64	Sept. 24, 1784	1849	1 year, 4 mos.	Virginia	July 9, 1850	Whig
13	Millard Fillmore	50	Feb. 7, 1800	1850	2 years, 8 mos.	N. Y.	Mar. 8, 1874	"
14	Franklin Pierce	48	Nov. 23, 1804	1853	4 years	N. Ham.	Oct. 8, 1869	Dem.
15	James Buchanan	65	Apr. 23, 1791	1857	4 "	Penn.	June 1, 1868	"
16	Abraham Lincoln	52	Feb. 12, 1809	1861	4 years, 40 days	Ky.	Apr. 15, 1865	Repub.
17	Andrew Johnson	56	Dec. 29, 1808	1865	3 yrs. 10½ mos.	N. Car.	July 31, 1875	"
18	Ulysses S. Grant	46	Apr. 27, 1822	1869	8 years	Ohio	July 23, 1885	"
19	Rutherford B. Hayes	54	Oct. 4, 1822	1877	4 years	"	Jan. 17, 1893	"
20	James A. Garfield	49	Nov. 19, 1831	1881	6½ months	"	Sept. 19, 1881	"
21	Chester A. Arthur	50	Oct. 5, 1830	1881	3 yrs. 5½ mos.	Vt.	Nov. 18, 1886	"
22-24	Grover Cleveland	47	Mar. 18, 1837	'85-'93	4 yrs.—4 yrs.	N. J.	June 24, 1908	Dem.
23	Benjamin Harrison	55	Aug. 28, 1833	1889	4 years	Ohio	Mar. 13, 1901	Repub.
25	William McKinley	54	Jan. 29, 1843	1897	4 yrs. 6 mo. 10 d.	"	Sept. 14, 1901	"
26	Theodore Roosevelt	42	Oct. 27, 1858	1901	7 yrs. 5 mo. 20 d.	N. Y.	Jan. 6, 1919	"
27	Wm. H. Taft	53	Sept. 15, 1857	1909	4 years	Ohio	Mar. 8, 1930	"
28	Woodrow T. Wilson	56	Dec. 28, 1856	1913	8 years	Virginia	Feb. 3, 1924	Dem.
29	Warren G. Harding	55	Nov. 2, 1865	1921	2 yrs. 4 mo. 29 d.	Ohio	Aug. 2, 1923	Repub.
30	Calvin Coolidge	51	July 4, 1872	1923	5 yrs. 7 mo. 2 d.	Vt.	Jan. 5, 1933	"
31	Herbert C. Hoover	54	Aug. 10, 1874	1929	4 years	Iowa	"	"
32	Franklin D. Roosevelt	51	Jan. 30, 1882	1933	12 yrs. 2 mo. 23 d.	N. Y.	April 12, 1945	Dem.
33	Harry S. Truman	60	May 8, 1884	1945	"	Mo.	"	"

Nicknames of the States

Ala.....	"Cotton," "Lizard," "Yallerhammers."	Neb.....	"Antelope," "Black Water," "Cornhusker."
Ariz.....	"Baby," "Sunset," "Apache."	Nev.....	"Silver," "Sage Brush."
Ark.....	"Bear," "Bowie."	N. H.....	"Granite."
Cal.....	"Golden," "El Dorado."	N. J.....	"Jersey Blue," "Garden," "Mosquito."
Col.....	"Centennial," "Silver."	N. M.....	"Sunshine," "Spanish."
Conn.....	"Constitution," "Nutmeg."	N. Y.....	"Empire," "Excelsior."
Del.....	"Diamond," "Blue Hen's Chikens."	N. C.....	"Old North," "Turpentine," "Tar Heel."
Fla.....	"Everglade," "Land of Flowers."	N. D.....	"Flickertail," "Sioux."
Ga.....	"Empire State of the South," "Cracker."	Ohio.....	"Buckeye."
Idaho.....	"Gem."	Okl.....	"Sooner."
Ill.....	"Sucker," "Prairie."	Ore.....	"Beaver," "Web-Foot."
Ind.....	"Hoosier."	Pa.....	"Keystone," "Steel," "Coal."
Iowa.....	"Hawkeye."	R. I.....	"Little Rhody," "Plantation."
Kan.....	"Sunflower," "Jayhawk."	S. C.....	"Palmetto."
Ky.....	"Blue Grass," "Corn-Cracker."	S. D.....	"Sunshine," "Swilagecat."
La.....	"Pelican," "Creole."	Tenn.....	"Big Bend," "Volunteer."
Me.....	"Pine Tree," "Old Dirigo."	Tex.....	"Lone Star," "Beef."
Md.....	"Old Line," "Cockade."	Utah.....	"Deseret," "Beehive," "Mormon."
Mass.....	"Bay," "Old Colony."	Vt.....	"Green Mountain."
Mich.....	"Wolverine," "Auto."	Va.....	"Old Dominion," "Mother."
Minn.....	"Gopher," "North Star."	Wash.....	"Evergreen," "Chinook."
Miss.....	"Bayou," "Eagle," "Magnolia."	W. Va.....	"Panhandle," "Mountain."
Mo.....	"Ozark," "Iron Mountain," "Show Me."	Wis.....	"Badger," "Copper."
Mont.....	"Stub Toe," "Bonanza," "Treasure."	Wyo.....	"Equality." (Suffrage Pioneer).

State Flowers

Name of State	Name of Flower	By Whom Chosen	Name of State	Name of Flower	By Whom Chosen	Name of State	Name of Flower	By Whom Chosen
Ala.....	Goldenrod	Schools	Me.....	Pine Cone & T'sl.	Schools	Ohio...	Scarlet Carnat'n	Legisl.
Ariz.....	Saguaro Cactus	Legisl.	Md.....	Blackeyed Susan	Legisl.	Okl.....	Mistletoe	Legisl.
Ark.....	Apple Blossom	Legisl.	Mass.....	Mayflower	Legisl.	Ore.....	Oregon Grape	Legisl.
Cal.....	Golden Poppy	Legisl.	Mich.....	Apple Blossom	Legisl.	Pa.....	No choice	"
Col.....	Columbine	Schools	Minn.....	Moccasin Flower	Legisl.	R. I.....	Violet	Schools
Conn.....	Mount'n Laurel	Legisl.	Miss.....	Magnolia	Schools	S. C.....	No choice	"
Del.....	Peach Blossom	Legisl.	Mo.....	No choice	"	S. Dak.	Pasque Flower	Legisl.
Fla.....	Orange Blossom	Legisl.	Mont.....	Bitter Root	Legisl.	Tenn.....	Passion Flower	Hort. S.
Ga.....	Cherokee Rose	Legisl.	Neb.....	Goldenrod	Legisl.	Tex.....	Bluebonnet	Legisl.
Idaho.....	Syringa	People	Nev.....	Sagebrush	People	Utah...	Sego Lily	Legisl.
Ill.....	Wood Violet	Legisl.	N. H.....	Purple Lilac	Legisl.	Vt.....	Red Clover	Legisl.
Ind.....	Carnation	Legisl.	N. J.....	Violet	Legisl.	Va.....	Amer. Dogwood	Legisl.
Iowa.....	Wild Rose	People	N. Mex.....	Cactus	Schools	Wash.....	Rhododendron	People
Kan.....	Sunflower	Legisl.	N. Y.....	Rose	Schools	W. Va.....	Rhododendron	Legisl.
Ky.....	Trumpet Vine	People	N. C.....	Goldenrod	People	Wis.....	Violet	Schools
La.....	Magnolia	Legisl.	N. Dak.....	Wild Prairie Rose	Legisl.	Wyo.....	Indian Paintb'sh	Legisl.

Population of Principal Cities

Sixteenth (1940) U. S. Census *Denotes State Capital. †Less than 0.1 of one percent.

Cities Over 37,000 and State Capitals	1930		% Increase or Decrease	Cities Over 37,000 and State Capitals	1940		% Increase or Decrease
	1930	1940			1930	1940	
Akron, Ohio.....	255,040	244,791	-4.0	*Dover, Del.....	4,800	5,517	14.9
*Albany, N. Y.....	127,412	130,577	2.5	Dubuque, Iowa....	41,679	43,892	5.3
Alhambra, Calif....	29,472	38,935	32.1	Duluth, Minn.....	101,463	101,065	-0.4
Allentown, Pa.....	92,563	96,904	4.7	Durham, N. C.....	52,037	60,195	15.7
Altoona, Pa.....	82,054	80,214	-2.2	East Chicago, Ind..	54,784	54,637	-0.3
Amarillo, Tex.....	43,132	51,686	19.8	East Cleveland, O..	39,667	39,495	-0.4
Anderson, Ind.....	39,804	41,572	4.4	East Orange, N. J..	68,020	68,945	1.4
*Annapolis, Md....	12,531	13,069	4.3	East St. Louis, Ill.	74,347	75,609	1.7
Arlington, Mass....	36,094	40,013	10.9	Elgin, Ill.....	35,929	38,333	6.7
Arlington, Va.....	26,615	57,040	114.3	Elizabeth, N. J....	114,589	109,912	-4.1
Asheville, N. C....	50,193	51,310	2.2	Elmira, N. Y.....	47,397	45,106	-4.8
*Atlanta, Ga.....	270,366	302,288	11.8	El Paso, Tex.....	102,421	96,810	-5.5
Atlantic City, N. J.	66,198	64,094	-3.2	Eric, Pa.....	115,967	116,955	0.9
Augusta, Ga.....	60,342	65,919	9.2	Evanston, Ill.....	63,120	65,389	3.6
*Augusta, Me.....	17,198	19,360	12.6	Evansville, Ind....	102,249	97,062	-5.1
Aurora, Ill.....	46,589	47,170	1.2	Everett, Mass.....	48,424	46,784	-3.4
*Austin, Tex.....	53,120	87,930	65.5	Fall River, Mass....	115,274	115,428	0.1
Baltimore, Md....	804,874	859,100	6.7	Fitchburg, Mass....	40,692	41,824	2.8
*Baton Rouge, La..	30,729	34,719	13.0	Flint, Mich.....	156,492	151,543	-3.2
Battle Creek, Mich.	43,573	43,453	-0.3	Fort Wayne, Ind....	114,946	118,410	3.0
Bay City, Mich....	47,355	47,956	1.3	Fort Worth, Tex....	163,447	177,662	8.7
Bayonne, N. J....	88,979	79,198	-11.0	*Frankfort, Ky....	11,626	11,492	-1.2
Beaumont, Tex....	57,732	59,061	2.3	Fresno, Calif.....	52,513	60,685	15.6
Belvedere, Calif..	33,023	37,192	12.6	Galveston, Tex....	52,938	60,862	15.0
Berkeley, Calif....	82,109	85,547	4.2	Gary, Ind.....	100,426	111,719	11.2
Berwyn, Ill.....	47,027	48,451	3.0	Glendale, Calif....	62,736	62,582	31.6
Bethlehem, Pa....	57,892	58,490	1.0	Gr. Rapids, Mich..	168,592	164,292	-2.6
Binghamton, N. Y.	76,662	78,309	2.1	Green Bay, Wis....	37,415	46,235	23.6
Birmingham, Ala..	259,678	267,583	3.0	Greensboro, N. C..	53,569	59,319	10.7
*Bismarck, N. Dak..	11,090	15,496	39.7	Hamilton, Ohio....	52,176	50,592	-3.0
Bloomfield, N. J..	38,077	41,623	9.3	Hammond, Ind....	64,560	70,184	8.7
*Boise, Idaho.....	21,544	26,130	21.3	Hamtramck, Mich..	56,268	49,839	-11.4
*Boston, Mass.....	781,188	770,816	-1.3	*Harrisburg, Pa....	80,339	83,893	4.4
Bridgeport, Conn.	146,716	147,121	0.3	*Hartford, Conn....	164,072	166,267	1.3
Brockton, Mass....	63,797	62,343	-2.3	Haverhill, Mass....	48,710	46,752	-4.0
Brookline, Mass....	47,490	49,786	4.8	Hazleton, Pa.....	36,765	38,009	3.4
Buffalo, N. Y.....	573,076	575,901	0.5	*Helena, Mont....	11,803	15,056	27.6
Butte, Mont.....	39,532	37,081	-6.2	Highland Pk., Mich.	52,959	50,810	-4.1
Cambridge, Mass..	113,643	110,879	-2.4	High Point, N. C..	36,745	38,495	4.8
Camden, N. J.....	118,700	117,536	-1.0	Hoboken, N. J.....	59,261	50,115	-15.4
Canton, Ohio.....	104,906	108,401	3.3	Holyoke, Mass.....	56,537	53,750	-4.9
*Carson City, Nev..	1,596	2,478	55.3	Houston, Tex.....	292,352	384,514	31.5
Cedar Rapids, Iowa	56,097	62,120	10.7	Huntington, W. Va.	75,572	78,836	4.3
Charleston, S. C..	62,265	71,275	14.5	*Indianapolis, Ind.	364,161	386,972	6.3
*Charleston, W. Va.	60,408	67,914	12.4	Irrington, N. J....	56,733	55,328	-2.5
Charlotte, N. C....	82,675	100,899	22.0	Jackson, Mich.....	55,187	49,656	-10.0
Chattanooga, Tenn.	119,798	128,163	7.0	*Jackson, Miss....	48,282	62,107	28.6
Chelsea, Mass.....	45,816	41,259	-9.9	Jacksonville, Fla..	129,549	173,065	33.6
Chester, Pa.....	59,164	59,285	0.2	Jamestown, N. Y..	45,155	42,638	-5.6
*Cheyenne, Wyo....	17,361	22,474	29.5	*Jefferson City, Mo.	21,596	24,268	12.4
Chicago, Ill.....	3,376,438	3,396,808	0.6	Jersey City, N. J..	316,715	301,173	-4.9
Chicopee, Mass....	43,930	41,664	-5.2	Johnstown, Pa....	66,993	66,668	-0.5
Cicero, Ill.....	66,602	64,712	-2.8	Joliet, Ill.....	42,993	42,365	-1.5
Cincinnati, Ohio..	451,160	455,610	1.0	Joplin, Mo.....	33,454	37,144	11.0
Cleveland, Ohio...	900,429	878,336	-2.5	Kalamazoo, Mich..	54,786	54,097	-1.3
Cleveland Hts., O.	50,945	54,992	7.9	Kansas City, Kans.	121,857	121,458	-0.3
Clifton, N. J.....	46,875	48,827	4.2	Kansas City, Mo..	399,746	399,178	-0.1
*Columbia, S. C....	51,581	62,396	21.0	Kearny, N. J.....	40,716	39,467	-3.1
Columbus, Ga.....	43,131	53,280	23.5	Kenosha, Wis.....	50,262	48,765	-3.0
*Columbus, Ohio..	290,564	306,087	5.3	Knoxville, Tenn..	105,802	111,580	5.5
*Concord, N. H....	25,228	27,171	7.7	La Crosse, Wis....	39,614	42,707	7.8
Corpus Christi, Tex.	27,741	57,301	106.6	Lakewood, Ohio...	70,509	69,160	-1.9
Council Bluffs, Iowa	42,048	41,439	-1.4	Lancaster, Pa....	59,949	61,345	2.3
Covington, Ky.....	65,252	62,018	-5.0	*Lansing, Mich....	78,397	78,753	0.5
Cranston, R. I....	42,911	47,085	9.7	Laredo, Tex.....	32,618	39,274	20.4
Cumberland, Md...	37,747	39,483	4.6	Lawrence, Mass....	85,068	84,323	-0.9
Dallas, Tex.....	260,475	294,734	13.2	Lewiston, Me.....	34,948	38,598	10.4
Davenport, Iowa..	60,751	66,039	8.7	Lexington, Ky....	45,736	49,304	7.8
Dayton, Ohio.....	200,982	210,718	4.8	Lima, Ohio.....	42,287	44,711	5.7
Dearborn, Mich....	50,358	63,584	26.3	*Lincoln, Nebr....	75,933	81,984	8.0
Decatur, Ill.....	57,510	59,305	3.1	*Little Rock, Ark..	81,679	88,039	7.8
*Denver, Colo....	287,861	322,412	12.0	Long Beach, Calif.	142,032	164,271	15.7
*Des Moines, Iowa	142,559	159,819	12.1	Lorain, Ohio.....	44,512	44,125	-0.9
Detroit, Mich....	1,568,662	1,623,452	3.5	Los Angeles, Cal..	1,238,048	1,504,277	21.5

Population of Principal Cities

Cities Over 37,000 and State Capitals	1930		% Increase or Decrease	Cities Over 37,000 and State Capitals	1930		% Increase or Decrease
	1930	1940			1930	1940	
Louisville, Ky....	307,745	319,077	3.7	*Richmond, Va....	182,929	193,042	5.5
Lowell, Mass.....	100,234	101,389	1.2	Roanoke, Va.....	69,206	69,287	0.1
Lower Merion, Pa..	35,166	39,566	12.5	Rochester, N. Y....	328,132	324,975	-1.0
Lynchburg, Va....	40,661	44,541	9.5	Rockford, Ill.....	85,864	84,637	-1.4
Lynn, Mass.....	102,320	98,123	-4.1	Rock Island, Ill....	37,953	42,775	12.7
Macon, Ga.....	53,829	57,865	7.5	*Sacramento, Cal..	105,930	105,958	13.0
*Madison, Wis....	57,899	67,447	16.5	Saginaw, Mich....	80,715	82,794	2.6
Malden, Mass....	58,036	58,010	†	St. Joseph, Mo....	80,935	75,711	-6.5
Manchester, N. H..	76,834	77,685	1.1	St. Louis, Mo....	821,960	816,048	-0.7
Mansfield, Ohio... McKeesport, Pa..	33,525 54,632	37,154 55,355	10.8 1.3	*St. Paul, Minn....	271,606	287,736	5.9
Medford, Mass....	59,714	63,083	5.6	St. Petersburg, Fla.	40,425	60,812	50.4
Meriden, Tenn....	253,143	292,942	15.7	Salem, Mass.....	43,353	41,213	-4.9
Memphis, Conn....	38,481	39,494	2.6	*Salem, Ore.....	26,266	30,908	17.7
Miami, Fla.....	110,637	172,172	55.6	*Salt L. City, Utah.	140,267	149,934	6.9
Milwaukee, Wis....	578,249	587,472	1.6	San Antonio, Tex..	231,542	253,854	9.6
Minneapolis, Minn.	464,356	492,370	6.0	S. Bernardino, Cal..	37,481	43,646	16.4
Mobile, Ala.....	68,202	78,720	15.4	San Diego, Calif... San Francisco, Cal.	147,995 634,394	203,341 634,536	37.4 †
Montclair, N. J....	42,017	39,807	-5.3	San Jose, Calif....	57,651	68,457	18.7
*Montgomery, Ala.	66,079	78,084	18.2	*Santa Fe, N. Mex.	11,176	20,325	81.9
*Montpelier, Vt....	8,006	8,006	2.2	Santa Monica, Cal.	37,146	53,500	44.0
Mt. Vernon, N. Y..	61,499	67,362	9.5	Savannah, Ga....	85,024	95,996	12.9
Muncie, Ind.....	46,548	49,720	6.8	Schenectady, N. Y.	95,692	87,549	-8.5
Muskegon, Mich....	41,390	47,697	15.2	Scranton, Pa.....	143,433	140,404	-2.1
*Nashville, Tenn... Newark, N. J.....	153,866 442,337	167,402 429,760	8.8 -2.8	Seattle, Wash....	365,583	368,302	0.7
New Bedford, Mass.	112,597	110,341	-2.0	Sheboygan, Wis....	39,251	40,638	3.5
New Britain, Conn.	68,128	68,685	0.8	Shreveport, La....	76,655	98,167	28.1
New Castle, Pa....	48,674	47,638	-2.1	Sioux City, Iowa..	79,183	82,364	4.0
New Haven, Conn.	162,655	160,605	-1.3	Sioux Falls, S. Dak.	33,362	40,832	22.4
New Orleans, La... Newport News, Va.	458,762 34,417	494,537 37,067	7.8 7.7	Somerville, Mass... South Bend, Ind..	103,908 104,193	102,177 101,268	-1.7 -2.8
New Rochelle, N. Y.	54,000	58,408	8.2	Spokane, Wash....	115,514	122,001	5.6
Newton, Mass....	65,276	69,873	7.0	*Springfield, Ill... Springfield, Mass..	71,864 149,900	75,503 149,554	5.1 -0.2
New York, N. Y....	6,930,446	7,454,995	7.6	Springfield, Mo... Springfield, Ohio..	57,527 68,743	61,238 70,662	6.5 2.8
Niagara Falls, N. Y.	75,460	78,029	3.4	Stamford, Conn....	46,346	47,938	3.4
Norfolk, Va.....	129,710	144,332	11.3	Steubenville, Ohio.	35,422	37,651	6.3
Norristown, Pa....	35,853	38,181	6.5	Stockton, Calif... Syracuse, N. Y....	47,963 209,326	54,714 205,967	14.1 -1.6
North Bergen, N. J.	40,714	39,714	-2.5	Tacoma, Wash....	106,817	109,408	2.4
Norwalk, Conn....	36,019	39,849	10.6	*Tallahassee, Fla..	10,700	16,240	51.8
Oakland, Calif....	284,063	302,163	6.4	Tampa, Fla.....	101,161	108,391	7.1
Oak Park, Ill.....	63,982	66,015	3.2	Taunton, Mass....	37,355	37,395	0.1
Ogden, Utah.....	40,272	43,688	8.5	Terre Haute, Ind..	62,810	62,693	-0.2
*Okla. City, Okla.	185,389	204,424	10.3	Toledo, Ohio.....	290,718	282,349	-2.9
*Olympia, Wash....	11,733	13,254	13.0	Topeka, Kans.....	64,120	67,833	5.8
Omaha, Nebr.....	214,006	223,844	4.6	*Trenton, N. J....	123,356	124,697	1.1
Oshkosh, Wis.....	40,108	39,089	-2.5	Troy, N. Y.....	72,763	70,304	-3.4
Pasadena, Calif... Passaic, N. J.....	76,086 62,959	81,864 61,394	-2.5 -0.8	Tulsa, Okla.....	141,258	142,157	0.6
Patterson, N. J....	138,513	139,656	0.8	Union City, N. J..	58,659	56,173	-4.2
Pawtucket, R. I... Pensacola, Fla....	77,149 31,579	75,797 37,449	-1.8 18.6	Upper Darby, Pa.	47,145	56,883	20.7
Peoria, Ill.....	104,969	105,087	0.1	Utica, N. Y.....	101,740	100,518	-1.2
Perth Amboy, N. J.	43,516	41,242	-5.2	Waco, Tex.....	52,848	55,982	5.9
Philadelphia, Pa... *Phoenix, Ariz....	1,950,961 48,118	1,931,334 65,414	-1.0 35.9	Waltham, Mass....	39,247	40,820	4.0
*Pierre, S. Dak....	3,659	4,322	18.1	Warren, Ohio.....	41,062	42,837	4.3
Pittsburgh, Pa....	669,817	671,659	0.3	Washington, D. C..	486,869	663,091	36.2
Pittsfield, Mass... Plainfield, N. J....	49,677 34,422	49,684 37,469	† 8.9	Waterbury, Conn..	99,902	99,314	-0.6
Pontiac, Mich....	64,928	66,626	2.6	Waterloo, Iowa... W. New York, N. J.	46,191 37,107	51,743 39,439	12.0 6.3
Port Arthur, Tex... Portland, Me.....	50,902 70,810	46,140 73,643	-9.4 4.0	Wheeling, W. Va... White Plains, N. Y.	61,659 35,830	61,099 40,327	-0.9 12.6
Portland, Ore.....	301,815	305,394					

Legal Holidays in the Various States

- JANUARY 1. NEW YEAR'S DAY: In all the States, Territories and Colonial possessions.
- JANUARY 8. ANNIVERSARY OF THE BATTLE OF NEW ORLEANS: In Louisiana.
- JANUARY 19. LEE'S BIRTHDAY: In Ark., Fla., Ga., Ky., La., Miss., N. C., S. C., Tenn., Tex. It is LEE-JACKSON DAY in Va.
- JANUARY 20. INAUGURATION DAY: Every four years in the District of Columbia only.
- JANUARY 26. GEN. DOUGLAS MacARTHUR DAY: In Ark.
- FEBRUARY 12. LINCOLN'S BIRTHDAY: In Ark., Calif., Colo., Conn., Del., Ill., Ind., Ia., Kans., Ky., Mich., Minn., Mo., Mont., Neb., Nev., N. J., N. Y., N. Dak., Ohio, Ore., Pa., S. Dak., Tenn., Tex., Utah, Vt., Wash., W. Va., Wis., Wyo., Alaska, Hawaii, Puerto Rico, Virgin Islands.
- FEBRUARY 14. ADMISSION DAY: In Arizona.
- FEBRUARY 22. WASHINGTON'S BIRTHDAY: In all the States, Territories and Possessions.
- MARCH 1. STATE DAY: In Nebraska.
- MARCH 2. TEXAS INDEPENDENCE DAY: In Texas.
- MARCH 15. ANDREW JACKSON'S BIRTHDAY: In Tennessee.
- MARCH 25. MARYLAND DAY: In that State.
- MARCH 30. SEWARD'S DAY: In Alaska.
- GOOD FRIDAY: In Conn., Del., Fla., Ill., Ind., La., Md., Minn., N. J., N. Dak., Pa., S. C., Tenn., Canal Zone, Hawaii, Puerto Rico, Virgin Islands.
- APRIL 12. HALIFAX INDEPENDENCE RESOLUTION: In North Carolina.
- APRIL 13. THOMAS JEFFERSON'S BIRTHDAY: In Mo., Okla., Va.
- APRIL 19. PATRIOT'S DAY: in Me., Mass.
- APRIL 21. SAN JACINTO DAY: In Texas.
- APRIL 26. CONFEDERATE MEMORIAL DAY: In Fla., Ga., Miss.
- MAY 4. RHODE ISLAND INDEPENDENCE DAY: In that State.
- MAY 10. CONFEDERATE MEMORIAL DAY: In N. C., S. C.
- MAY (Second Sunday). MOTHER'S DAY: Is observed but not a legal holiday.
- MAY 20. MECKLENBURG DECLARATION OF INDEPENDENCE: In N. C.
- MAY 30. DECORATION or MEMORIAL DAY: In all the States and Possessions except Ala., Ga., La., Miss., N. C., S. C.
- JUNE 3. JEFFERSON DAVIS' BIRTHDAY: In Ark., Fla., Ga., Miss., S. C., Tex., Va.
- JUNE 3. CONFEDERATE MEMORIAL DAY: In Ky., Tenn.
- JUNE 11. KAMEHAMEHA DAY: In Hawaii.
- JUNE 14. FLAG DAY: Is widely observed but a legal holiday only in Mo., and Pa.
- JUNE 15. PIONEER DAY: In Idaho.
- JUNE 20. WEST VIRGINIA DAY: In that State.
- JULY 4. INDEPENDENCE DAY: In all the States, Territories and Possessions.
- JULY 10. ADMISSION DAY: In Wyoming.
- JULY 24. PIONEER DAY: In Utah.
- AUGUST 1. COLORADO DAY: In that State.
- AUGUST 16. BENNINGTON BATTLE DAY: In Vermont.
- SEPTEMBER (First Monday). LABOR DAY: In all States, Alaska, Canal Zone, Hawaii, Puerto Rico, Virgin Islands.
- SEPTEMBER 9. ADMISSION DAY: In California.
- SEPTEMBER 12. DEFENDERS' DAY: In Maryland.
- OCTOBER 4. MISSOURI DAY: In that State.
- OCTOBER 12. COLUMBUS DAY: In Ariz., Ark., Calif., Colo., Conn., Del., Fla., Ga., Ill., Ind., Kans., Ky., La., Md., Mass., Mich., Minn., Mo., Mont., Neb., Nev., N. H., N. J., N. M., N. Y., N. Dak., Ohio, Okla., Ore., Pa., R. I., Tex., Utah, Vt., Va., Wash., W. Va., Wis., Wyo., Puerto Rico. It is also FRATERNAL DAY in Ala., DISCOVERY DAY in N. Dak., and LANDING DAY in Wis.
- OCTOBER 18. ALASKA DAY: In Alaska.
- OCTOBER 31. ADMISSION DAY: In Nevada.
- NOVEMBER (1st Tuesday after 1st Monday). GENERAL ELECTION DAY: In all States except Ala., Conn., D. of C., Ga., Kans., Ky., Me., Mass., Miss., Neb., N. M., Utah, Vt.
- NOVEMBER 1. ALL SAINTS' DAY: In Louisiana.
- NOVEMBER 2. MEMORIAL DAY: In the Canal Zone.
- NOVEMBER 11. ARMISTICE DAY: In all States, Territories and Possessions.
- NOVEMBER 19. DISCOVERY DAY: In Puerto Rico.
- NOVEMBER (Fourth Thursday). THANKSGIVING DAY: In all States, Territories and Possessions.
- DECEMBER 25. CHRISTMAS DAY: In all States, Territories and Possessions.

Tuesday, January 3, 1950

M 10/ 3rd Day—362 days to follow

CLEAR
CLOUDY
RAIN
SNOW

See also 1-16 cool
 Lee Morris & I drive
 Jack & I to Dillon, Jack
 front seat. I'd. would
 give him the whiskey - get
 to bed - 5:00 P.M. Lee & I go to
 necks, cones & collect.
 Look load spec. down to P.M.S.
 with us.

SONOMA COAST

Wednesday, January 4, 1950

4th Day—361 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

neighbors & old cots
 finished. Bury them.
 John & Judy Chausler
 and George & Jess and
 Betty & their jeep out of
 spring. Also Dr.

Thursday, January 5, 1950

5th Day—360 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Tuesday, January 10, 1950

10th Day—355 days to follow

CLEAR
CLOUDY
RAIN
SNOW

m Wednesday, January 11, 1950

11th Day—354 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Collect of Doran Pass.
 Marie's birthday - Bill
 Criss, Floyd & I have
 abalone with her.

7101 Thursday, January 12, 1950

12th Day—353 days to follow

CLEAR
CLOUDY
RAIN
SNOW

pl. covered, oil waste
 again
 Back to Doran - get
 worms etc.

7101 Friday, January 13, 1950

13th Day—352 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Doran, Raining, but
 did some collecting

m

Monday, January 16, 1950

16th Day—349 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Wick's Cove

Tuesday, January 17, 1950

17th Day—348 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Parasites on perch or
possibly shark

Friday, January 20, 1950

20th Day—345 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Saturday, January 21, 1950

21st Day—344 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Dusty's -

Guy Woster down from Eureka,
says I can use his guest room when
I come up collecting.

Sam Louder said he & a whole
gang out to S.C. for supper

Otto's.

Play & I bet 50¢ - many balls thrown
up to shore for a full net. Granite
shores, get some more birds

Sunday, January 22, 1950

22nd Day—343 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Drove out to the place at
 Salmon Co. no more fish remains
 for the population.
 Went again - & many
 more out to the place around again.
 Salmon Co. has really worked
 they have a lot of students you might

Monday, January 23, 1950

23rd Day—342 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Hole - turning cold
 S. Creek,
 drove out to Dorn's place
 just to watch surf on Bodega
 Rocks.

M 107

Tuesday, January 24, 1950

24th Day—341 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Cold & squally

To H.S. Cove. Little collecting
 as had blue ice water & I got
 wet returning it. Back to
 S. Co., got back & dry clothes

Then bludgeoned for bite but
 got a snout of *Phoxinus phoxinus*
 in warm water

M 103

Wednesday, January 25, 1950

25th Day—340 days to follow

CLEAR
CLOUDY
RAIN
SNOW

M 103

To H.S. Cove - sunny

Eutrochium & *Myrtalechin*
 shells - also old brown big *Abalones*
 for dump cacti gardens etc.

104

M "Lepidocarpus" in sand, (30 ft)

and digging down in (15-50 ft)

alleged - but got haul of sand, dirt,
 pebbles, flint, various shells,
 Rock coral & Lacy coral. Found

Polinices, *Urosalpinx*, open
Urosalpinx, thin shell, flaring lip,
 small dark body - shell thin
 flexible & tough operculum. Seen
 on way to *Urosalpinx* " & shell
 smaller than *P. lewisii*

Small sand lily.

" pearl

" Nake

Antiparus ?

M 105 Thursday, January 26, 1950

26th Day—339 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

But cold. No wind

Collected Brown Pies - beach

Went to Dickon Beach. Drew material for work there. Took only 15 minutes. Home with me.

Friday, January 27, 1950

27th Day—338 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Stormy.

Jeep not working well.

Penicillin at Dickon's.

Home early - Denny had to

take jeep to start it.

M 10/5

Saturday, January 28, 1950

28th Day—337 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Beautiful day but chilly.

Down Pier & beach.

Wounded

Amelia, found egg, but -
had to throw away the shells to lay eggs.

Amelia 5 eggs, till 10:00, the

others, but not night.

In the morning, for specimens

Plays left -

Trout 5 lb

m 10/6

Fish

Johnnies

M 10/6

Sunday, January 29, 1950

29th Day—336 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Windy & cold

To Doran to collect
worms - but too cold &
windy, & sea too high.

Back to B.B. & met the
"Jeff" - helped unload, while
the sorted fish, picked out

Polinices sp.

Electrona

Small fish

Sting ray

Pompano

Pisaster?

Leather stars? Pileis?

Amelia (myzomere) gave
me some Small fish & Petrol

Air 9°C
Water 11°C

M 107 Monday, January 30, 1950 M

30th Day—335 days to follow.

107.5

CLEAR
CLOUDY
RAIN
SNOW

Shower

Took jeep to Valley Ford so
 Kink can get gasket.
 Took jeep to Miller
 Refilled oil and sand water.
 To Shell Beach & collected

got *Nelusetta rufescens* Air 9°C
 " *aphelousia* Water 10°C
 A. *metra*
 " *californica*
 A. *fenestrata*

M 109

Fixed jelly fish. at 30.

new hybrid?

Red water sponges
Purple (open) " "

met Jeff

M 1015

Worms in bottom clay
 few *Serolis* with worms

M Tuesday, January 31, 1950 M

31st Day—334 days to follow

108

CLEAR
CLOUDY
RAIN
SNOW

Cook food
 little wind

To Valley Ford — jeep
 gets adjusted & a gasket.
 To Shell Beach

Special Data

74 Wednesday, February 1, 1950

109

32nd Day—333 days to follow

Cold but nice

CLEAR
CLOUDY
RAIN
SNOW

M -

To Petroleum to Floyd

to construction - little see

for training on job - look

have a nice Petrol

M - Shell Beach. Heavy

wind, some fog, Portland.

M¹⁰ Thursday, February 2, 1950

33rd Day—332 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Some wind in P.M.

M¹⁰ Shell Beach -
 near gulls - wt 31
 prints
 foray shells etc

M¹¹ Jeff:
 One cod
 Octopus
 mud for 40 fathoms
 worms & various
 for. Sea urchins

Friday, February 3, 1950

34th Day—331 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Alfred & I early to
 Sebastopol - he got hair cut
 On to Santa Rosa - he took
 money, money, Georgia, Anne & I
 to supper at S.P. Hotel.

Saturday, February 4, 1950

35th Day—330 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Atmos & clouds -

Very dark clouds for 1/2 day
over for 1/2 day

Sunday, February 5, 1950

36th Day—329 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Quiet -

Monday, February 6, 1950

37th Day—328 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Jeff - no specimens, had tough day.

M 112 Tuesday, February 7, 1950

38th Day—327 days to follow

CLEAR
CLOUDY
RAIN
SNOW

On specimens - to hallway &c
 Jeff brings in 10. 54 feet
 Bridge Head to Russian R. -
 Starfish
 Antisipactis sp.
 Alarmonasteria sp.
 Ichthys
 Sea mouse
 Rice on Halibut

M 113

Wednesday, February 8, 1950

39th Day—326 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Down Beach briefly. Tidest
low enough.

Met Jefferson - quite late, but
well worth while. 34 boxes!

Nice selection starfish -
several of a species on p. 100-115
fishes of Quilts R.

2 species fish - one very small & young.

See basin - look over sp.
Strong. dot.

Thursday, February 9, 1950

40th Day—325 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Down beach. Tide just
above 0.0 at low, about 11:00 am.
Some Polinia. Service.

Jefferson Milk

M 115

Friday, February 10, 1950

41st Day—324 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

"E" Beach, to north

11:30 AM

Saturday, February 11, 1950

M 116

42nd Day—323 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

"E" Beach, S & middle

11:30 AM

Sunday, February 12, 1950

43rd Day—322 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Monday, February 13, 1950

44th Day—321 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Final day

M 2. Stewart Point
 1159 new sea stars - 5 in. sp.
 Holothurians 2 sp.
 Sea urchin - red & purple
 etc

met Jeff - 11

M 118 many Polinices sp.
 with Hermit crabs

Eel Loricifer -
 Furber

M 117 & 118
Tuesday, February 14, 1950

45th Day—320 days to follow

CLEAR
CLOUDY
RAIN
SNOW

collected Stewart Point
at 11 AM - 9 AM

met Jeff - got alk.
back home, added to
no 118 of 7/12
Have dinner with Lloyd

Wednesday, February 15, 1950 M 118

46th Day—319 days to follow

CLEAR
CLOUDY
RAIN
SNOW

collected Horan Beach
but only usual Polinacia
& Carduus

M 118
Jefferson -
Shrimp

Veal steaks at Lloyd's

Thursday, February 16, 1950

47th Day—318 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Friday, February 17, 1950

48th Day—317 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

To Petaluma

Saturday, February 18, 1950

49th Day—316 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Andy & Otto in evening.
Rather a quiet session.
Floyp & I got our money
back & saw show again.

Sunday, February 19, 1950

50th Day—315 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Salmon Creek still nearly
time to show off. Reported
in at Otto's, Andy & I
Took money to Santa Rosa
on my way to Oakland. Went
via Vallejo & Redwood Canyon, to
miss the "Sunday traffic".

Monday, February 20, 1950

51st Day—314 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Oakland.

Pruned trees & shrubs at
 3700 Webster, "Grouse" area
 Harry much tickled at my
 hard work. Glad it got
 a much needed haircut!

Tuesday, February 21, 1950

52nd Day—313 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Finished pruning.
 Drove to "Holmes Book Store"
 & got a couple books.

Wednesday, February 22, 1950

53rd Day—312 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Traveled out to 5 miles of
 "John around 3:00 in afternoon
 "Protona" taken at noon
 Institutional program for poor
 in vegetable, food desert:

Thursday, February 23, 1950 M 119

54th Day—311 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Off in am., about 9:00,
 for Bodega Bay - by ferry.
 Punched one game with the boys
 two bear experts. West class &
 - Percy - got just before kept
 in by rough sea. Comes off
 rd. best (not 3d).

M 119 Jeff

M 119

Friday, February 24, 1950

55th Day—310 days to follow

CLEAR
CLOUDY
RAIN
SNOW

M Jeff
1190

Saturday, February 25, 1950

M 120

56th Day—309 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Collected "E" beach, S. end.
 M 120 - esp. Hippocampus
 (Hippocampus)
 spec. all - Chiton.

M121

Sunday, February 26, 1950

57th Day—308 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Salmon

M. L. ... - parasites
of ... on ...
Rock ... of ...

M122

Monday, February 27, 1950

58th Day—307 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Steinbo's Point M122

M 122 Tuesday, February 28, 1950

59th Day—306 days to follow

CLEAR
CLOUDY
RAIN
SNOW

also
7mm
Stewart's Pond M 122

Special Data

74 123

Wednesday, March 1, 1950

60th Day—305 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Ft. Ross

74 123

Thursday, March 2, 1950

61st Day—304 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Ft. Ross

Friday, March 3, 1950

62nd Day—303 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Concho Bay

Saturday, March 4, 1950

63rd Day—302 days to follow

CLEAR
CLOUDY
RAIN
SNOW

*To Patlakama,
Back.*

Sturley cutting up on Jeep.

Sunday, March 5, 1950

64th Day—301 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Barley Bay

Monday, March 6, 1950

65th Day—300 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Jeep to Valley Ford, garaged

Tuesday, March 7, 1950

66th Day—299 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Bohaya Mary

Wednesday, March 8, 1950

67th Day—298 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Thursday, March 9, 1950

68th Day—297 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Friday, March 10, 1950

69th Day—296 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Santa Rosa

Saturday, March 11, 1950

70th Day—295 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Amd & Judy ride
 John Choualons & Jim
 Sotlers, exp in hills
 about Solana Co.
 All day & night.

Sunday, March 12, 1950

71st Day—294 days to follow

CLEAR
CLOUDY
RAIN
SNOW

a 4 of ride again,
 but 5 along Solana
 beach to Horsehoe Cove, & that
 streaks in evening at
 night. Jeff way late
 acc'd engine trouble.

M 124

Monday, March 13, 1950

M 125

72nd Day—293 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Left for ...
 Burned wood ...
 up for ...

M 124
 Stewart's Point
 Abalone etc

M 125 500 50
 Jeff - ...
 ...
 ...

- 231 - Phacelium
- # 229 - Lycopodium
- # 228 - Corda (Hannichia) crebricostata
- 226 - Aphelandra
- 224 - Cryptococcus carpenterianus Gott

M 126

Tuesday, March 14, 1950

73rd Day—292 days to follow

CLEAR
CLOUDY
RAIN
SNOW

M 126
 Ruff Cemetery -
 just to S. of Pt.
 Big spec H. wallalensis
 " " H. muricata
 etc
 Jeff in early ...

Wednesday, March 15, 1950

74th Day—291 days to follow

CLEAR
CLOUDY
RAIN
SNOW

M 125 Thursday, March 16, 1950

75th Day—290 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Col

H8 Cove - 1 chiton

flats S. of Hoff. Rock

M 126

~~Henricia~~
Sungayolani shell
Pau. Protolocum

M 127 See 3/13

Jeff - Catapan
30' from Hoff. R.
Drinks at Gendotti's bar.

Friday, March 17, 1950

76th Day—289 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Santa Rosa. Supper
at Guidotti in S.P.

Hill like animal? for
plenty photos. came 1/2
hour past.

Saturday, March 18, 1950

77th Day—288 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Selma Creek

No riding and
weather.

In evening, to
Aubrey; then
Bodega Casino; then
Elton. Home fairly
early (before 10 am).

Sunday, March 19, 1950

78th Day—287 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Again no activity.
 Left in with specimens
 put with other things

Monday, March 20, 1950

79th Day—286 days to follow

CLEAR
CLOUDY
RAIN
SNOW

To Nelson Beach
 I worked on specimens,
 separating them for
 A.H.T. from those for
 P.M.S!

In evening, went
 left - 10:00 P.M.

Tuesday, March 21, 1950

80th Day—285 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Again to D.B.

Again met Jefferson

at 7:30 p.m. got a

bucket of specimens

~~Polydora~~

275

" shells + Pogonina?

Octopus

Flounder?

M 129

Polydora (Sea urchin)

Caprellidae

And spec. of Red Sole

for LC 1039

50m Bodega Head 10 min

75-90 fath

Wednesday, March 22, 1950

81st Day—284 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Again to D.B., on

specimens

Took for "1039" to Tomlinson

shopping. Had lunch

on Red Sole

Supper at Morrison's with

Floyd Williams, on Rock Cod

Bucket

128 ✓
Thursday, March 23, 1950

82nd Day—283 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Southwest

Millon Beach

Her noble mind
pleased or collection
formed P.M.S.

M. 178
Sugar
Sparrow

Friday, March 24, 1950

83rd Day—282 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

To Oakland

Wednesday, March 29, 1950

88th Day—277 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Thursday, March 30, 1950

89th Day—276 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Gotland

Friday, March 31, 1950

90th Day—275 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Oakland

Special Data

Saturday, April 1, 1950

91st Day—274 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

off to Boji Cay.
 In. out. out. out. out. out.

Sunday, April 2, 1950

92nd Day—273 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Specimens kept at
 alt found - back door
 On to Eusemaha

Monday, April 3, 1950

93rd Day—272 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Eucalyptus

Tuesday, April 4, 1950

94th Day—271 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Thursday, April 27, 1950

117th Day—248 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Protheca

spec. 777
129 found 3/22/50
Encyrtus
small fly

~~Protheca~~
Protheca (not *Protheca*)

Saturday, June 3, 1950

154th Day—211 days to follow

CLEAR
CLOUDY
RAIN
SNOW

2 1/2

Sunday, June 4, 1950

155th Day—210 days to follow

CLEAR
CLOUDY
RAIN
SNOW

207.0

2
7

Monday, June 5, 1950

156th Day—209 days to follow

CLEAR
CLOUDY
RAIN
SNOW

210.0

Tuesday, June 6, 1950

157th Day—208 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly describing a meal or activity]

Wednesday, June 7, 1950

158th Day—207 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly describing a meal or activity]

Thursday, June 8, 1950

159th Day—206 days to follow

CLEAR
CLOUDY
RAIN
SNOW

V.A. King

Saw Dr. Berger after
 lunch. Surgery can go today
 now. At 4:30 pm purchased
 out, called out 9 o'clock
 3700 London. Passed very
 little that first time after
 arrival.

Friday, June 9, 1950

160th Day—205 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Discharge
 3700 London

Saturday, June 10, 1950

161st Day—204 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Overcast

Sunday, June 11, 1950

162nd Day—203 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Overcast

Monday, June 12, 1950

163rd Day—202 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Overcast

Tuesday, June 13, 1950

164th Day—201 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Overcast

Wednesday, June 14, 1950

165th Day—200 days to follow

CLEAR
CLOUDY
RAIN
SNOW

3:45 pm

Thursday, June 15, 1950

166th Day—199 days to follow

CLEAR
CLOUDY
RAIN
SNOW

*Antenna ...
Jays to ...*

Friday, June 16, 1950

167th Day—198 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Auckland
 Saw first B. kagu Bay
 in evening at 3:30 PM, etc.
 And up a couple of birds, etc.
 The ocean was blue - 50 ft - 10
 fathoms - the water was green -
 200 ft - water green
 All in all, etc.

Saturday, June 17, 1950

168th Day—197 days to follow

CLEAR
CLOUDY
RAIN
SNOW

B. kagu Bay
 After 1000 hours
 planning a little more.

Sunday, June 18, 1950

169th Day—196 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Windy

Boat Bay

Monday, June 19, 1950

170th Day—195 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Pacific Islands

Dr. Noble introduced me to

in charge of museum

found in field notes

Tuesday, June 20, 1950

171st Day—194 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P. M. Sta.
 Report says I was
 in the field by 11:00

Wednesday, June 21, 1950

172nd Day—193 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P. M. Sta.
 Landed at 10:00

Thursday, June 22, 1950

173rd Day—192 days to follow

CLEAR
CLOUDY
RAIN
SNOW

3. 2000 ft. in Antarctica

Friday, June 23, 1950

174th Day—191 days to follow

CLEAR
CLOUDY
RAIN
SNOW

*P. Mc. Gl. D. ...
Patience.
Bodega Bay. Supper with
Lloyd & wife.*

Saturday, June 24, 1950

175th Day—190 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Lloyd, Lila, her daughter, & son-in-law
 out 11:00 AM in afternoon.

Sunday, June 25, 1950

176th Day—189 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

E. Co.
 B. Co.
 in field for night

Monday, June 26, 1950

177th Day—188 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly describing a day's activities or observations.]

Tuesday, June 27, 1950

178th Day—187 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly describing a day's activities or observations.]

Wednesday, June 28, 1950

179th Day—186 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly describing observations or activities.]

Thursday, June 29, 1950

M/30

180th Day—185 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Poc. - Inoc. - Sta.
 M/30
 - Copepods }
 - Pteropods }

Friday, June 30, 1950

181st Day—184 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Pac. Mail Sta.

~~Petroleum in quantity~~

~~Advis. & other, briefly~~

To Oakland.

Special Data

Saturday, July 1, 1950

182nd Day—183 days to follow

CLEAR
CLOUDY
RAIN
SNOW

~~B. Bay.~~

~~Atlv. till about midday~~

To Vet. Ad. Coop

See Dr. Berger by

appt. says O.K.

Check again Sept 9.

Sunday, July 2, 1950

183rd Day—182 days to follow

CLEAR
CLOUDY
RAIN
SNOW

~~B. Bay.~~

Monday, July 3, 1950

184th Day—181 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Overplanted,
at home

Tuesday, July 4, 1950

185th Day—180 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Oakland.
Quietly at home

Wednesday, July 5, 1950

186th Day—179 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Outland to

Bodega Bay.

met Jeff in evening.

Bought Portable Infrared
Receiver

AT 1923369

93.93

Thursday, July 6, 1950

187th Day—178 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Poa. near Sta.

near Jeff. SSW Bodega Head
- 5² feet
- 80

M 131

219
220

216
217

219
220
217
218

- Upper leaf

- Pseudocaulis

218 - Curculionid & Hydrophilid

- File track

- Mad crab

Cryptococcus

Compositaceae

"Bignoniaceae" *Junonia* *belli*

Papilio lithodes

Spec
215'

Bot crab

guth

Friday, July 7, 1950

188th Day—177 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Poc Manna Sta,

Petroleum in hole.

Alto & Andy, briefly

Saturday, July 8, 1950

189th Day—176 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Baraga Bay

Sunday, July 9, 1950

190th Day—175 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Bordego Bay.

Monday, July 10, 1950

191st Day—174 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Poa. hawaii. Sta.
had jiff in air.

Tuesday, July 11, 1950

192nd Day—173 days to follow

CLEAR
CLOUDY
RAIN
SNOW

5:00 P.M. Marine Sta.
 5:00 report
 Jeff in station.

Wednesday, July 12, 1950

193rd Day—172 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P.M. 8:00
 5:00 report

Thursday, July 13, 1950

194th Day—171 days to follow

CLEAR
CLOUDY
RAIN
SNOW

0 20 0 50 -
 " 700" Reports,
 Standard Mercury went
 to 1000

Friday, July 14, 1950

195th Day—170 days to follow

CLEAR
CLOUDY
RAIN
SNOW

0 20 0 50 -
 " 700" Reports,
 Standard Mercury went
 to 1000

Saturday, July 15, 1950

196th Day—169 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly including "Creek" and "P.M."]
 [Faint handwritten notes]
 [Faint handwritten notes]

Sunday, July 16, 1950

197th Day—168 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly including "Creek" and "P.M."]
 [Faint handwritten notes]

M 13 ✓
Monday, July 17, 1950

198th Day—167 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P. M. Sta. late -

M. reports

no fish

M 1320 St. ... ✓
St. ...

A 210 St. ... ✓
St. ...

30-50 fish of ...

Spec 274 Grey, large Starfish (outpost)

M 132 ✓
Tuesday, July 18, 1950

199th Day—166 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P. M. Sta.

On "711" collecting report

Bohaya Bay - ...

M 132 St. ... ✓
St. ...

30-50 fish of ...

St. ...
④ St. ... (Ciguatera?)
St. ...

Wednesday, July 19, 1950

200th Day—165 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P.M.S.
one [unclear]

Boat [unclear] [unclear]
See [unclear] 13.2

Thursday, July 20, 1950

201st Day—164 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P.M.S.
one [unclear]

M 133 ✓

Friday, July 21, 1950

202nd Day—163 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Bodega Bay

Solutes stimpsoni
(Verrill)

from spec. from Capt. Ray Faught
of U.S. Coast Guard "Liberty" at 12 feet
off Fort Ross East mill.

P. m. Sta. on Encke.

Saturday, July 22, 1950

203rd Day—162 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Tuesday, July 25, 1950

206th Day—159 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly "P. ..."]

M/135

Wednesday, July 26, 1950

M/135

207th Day—158 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly "P. ..."]

[Faint handwritten notes, possibly "Jeff - ..."]

[Faint handwritten notes, possibly "Peterson ..."]

[Faint handwritten notes, possibly "Saw ..."]

[Faint handwritten notes, possibly "Blow ..."]

[Faint handwritten notes, possibly "Chlor ..."]

[Faint handwritten notes, possibly "Saw ..."]

Saturday, July 29, 1950

210th Day—155 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P.M. Sta - am briefly
specimens

Solomon Co. - no 1703
at all

Sunday, July 30, 1950

211th Day—154 days to follow

CLEAR
CLOUDY
RAIN
SNOW

In P.M., waiting for
Johnnie M... to take off for
Banta Road, two...
...

In eve, Mrs. ...
yellow to S.C. to be handy
in am. for before daylight
over

M 138 ✓ Monday, July 31, 1950 140

212th Day—153 days to follow

CLEAR
CLOUDY
RAIN
SNOW

L + S.C. 500m
2 Stewart Point

M - 138 140

- 214 Stewart Point
- Shrimp
- Cryptochelone multi eyes
- Heterolepis gigantea
- Starfish
- Pteris - multi eyes 4 colors
- H. rufescens
- H. wallaceana
- Callinectes coloratus
- E. sp. (2 colors)
- Amphioxus varicostatus
- Purpura foliata
- Crab - m
- Hippocampus antiquatus
- Bubble d.
- Chelone
- Isopod
- 208 - Crustacean Bryozoa
- Thalassia
- Polydora (beard)
- Caprellid

Shrimp, pinnacled

7/31/50 Special Data M 139

M 139
Jeff - Off Point Lige
50 fath
Caprellid →

- 202 - Is. bisensu
- 201 - P. sp. step...

North
to
Stables

Shrimp eat
Murchison (Great field)

- 203 - Pinnacled
- 204 - Pinnacled

M 133

- 205 - Solentia, step...
- party boat
- Spec 133

Tuesday, August 1, 1950

213th Day—152 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Poc. in. sta.
 On specimen,
 at close.
 "Jeff" to dry dock.

Wednesday, August 2, 1950

M141

214th Day—151 days to follow

CLEAR
CLOUDY
RAIN
SNOW

spec M141
 206 - *Asteropaster*?
 133 - Octopus 2
 Tritops 3 - poor - even in
 shrimp 1
 Egg mass on egg case
 Rat fish eggs 2
 207 - Apaltescaia squid, 1 (See 135)
 Baby Rock Cod
 Aphrodite - juv.
 Pterinices sp. many, thin shelled

Out 4⁰⁰ am. on "Florence", Captain
 with Misconick, Jake & Harold.
 2 drags. See rough, getting better.

Thursday, August 3, 1950

215th Day—150 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Hedgpeth, Johnson & P.H. Boat
out in "Florence"

P.M. Sta. on M 141

Friday, August 4, 1950

216th Day—149 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P.M. Sta. on

Meet specimens - BC series

To S.F., "BIC 4N" for
supplies. Acc. by James Westphal
Oakland. pick up in Westphal
out to S. Frigate for barbecue
supper - steaks etc. Etc.
Back to Oakland

Saturday, August 5, 1950

217th Day—148 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Outboard.
Stay brief in P.M.

Sunday, August 6, 1950

218th Day—147 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Outboard.
In P.M. early to Ordego Bay
of Salmon Co.

Monday, August 7, 1950

219th Day—146 days to follow

CLEAR
CLOUDY
RAIN
SNOW

S. Creek -
 to
 P. M. Sta.
 Museum
 Cross
 S. Creek -

Tuesday, August 8, 1950

220th Day—145 days to follow

CLEAR
CLOUDY
RAIN
SNOW

S. Creek
 to
 P. M. Sta. record
 procedures

S. C.
 Presence of the Bogus Swallow.
 got in near penitence bed room
 (over garage)
 Try to show me by wearing
 paper coat. (-1)
 By turning out h.R. light & on
 the outside light (-4)
 By catching in front of coat (-4)
 By butterfly net - 2.

12

Wednesday, August 9, 1950

221st Day—144 days to follow

CLEAR
CLOUDY
RAIN
SNOW

S.S.

P.M. Sta.

Tram

Floyd W. & Lila return
Had supper with them.

Thursday, August 10, 1950

222nd Day—143 days to follow

CLEAR
CLOUDY
RAIN
SNOW

over.

"Jefferson" back from several
day work. Floyd, Leo, Sam &
Nina & I, at Andy's.
Had supper at Floyd's.

Friday, August 11, 1950

223rd Day—142 days to follow

CLEAR
CLOUDY
RAIN
SNOW

S. Creek

P. in Sta.

Preparing sample specimens
of Chitons, for A.H.F.

Saturday, August 12, 1950

224th Day—141 days to follow

CLEAR
CLOUDY
RAIN
SNOW

7116 Sunday, August 13, 1950

234

225th Day—140 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Exp. J.C. H. H. H.

Stewart Point, 5000
Abalone supper, Floyd

M 142

Amphioxus vermicularis
Crepidula nuxia
Haliotis rufescens
H. wallisleyana

241

Hydractinia gigantea
Sponge on abalone
Platyphoron peltata
Chiton

"
" Kallinectes

Sponge?
P. lanceolatus, long, dark

239 - P. rufus peltatus?

238 - P. punctata?

Hydractinia x group

200 - Crab

235 - ~~Hydractinia~~ - Red sponge

234 - White clay, shells
Purple stars

Monday, August 14, 1950

226th Day—139 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Pro M. Sta.

Classroom, museum

on M 142 the abalone BC notes
Abalone supper at Floyd.
French set with "invitation Corp"

Tuesday, August 15, 1950

227th Day—138 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P in sta.

Checked, & measured
on specimens. & notes.

"Jiff" out & back at home
with bucket chetel on drum.
Supper, flights, surf fish.

Wednesday, August 16, 1950

228th Day—137 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P in sta.

Checked, & cleaning
specimens. Rearranged jars (w/keys)

Thursday, August 17, 1950

229th Day—136 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P. M. Sta

Classroom museum.

Butterflies lab near
old school in rose - thistle
thicket along brook.

P. M. Sta

Van Harvey ill.

Friday, August 18, 1950

230th Day—135 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Oakland

P. M. Sta

Lectures in Ecology by
Joel Pridyppeth, continuing.

In Oakland via Ferry
at Richmond. J.W. along.
Saw A.B.H. - better.

Holmes Book Store -

1. "Symposium by Chinese scientists"
2. Book, woodcuts, etc. - England.
3. "Spiders" —

Saturday, August 19, 1950

231st Day—134 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Oakland.

Shopping at Mr. Ward -
 Get new table for A.P.K.
 Plastic boxes for specimens.
 "Kip" briefly.

Sunday, August 20, 1950

M 143

232nd Day—133 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Oakland - to Sausalito

At Crowder till 7:00 p.m.
 Caught some butterflies in yard.
 To La Jolla - picked up
 J.W. To Vallejo - Hill Bot.
 On to Portage Bay. Met "Jeff"
 Had snagged rock. "Mulle"
 Had snagged old wreck.
 At 40 fathoms off Pt Reyes.
 M/143 - On wreckage, 4 m. it.
 #750 Pholade - like P. parva.
 Worms
 Sea Anemone
 Crab - Galatheid sp.
 Sea Anemone
 #749 - Terebra
 Mud & bored wood wreckage
 Coral? sp.
 Apolousant squid
 Cuttle fish.

Monday, August 21, 1950

233rd Day—132 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Up to 7000 ft. Picked
 up sample of wreckage of rock
 (furnished overnight in box)
 Valley, large re jeep starts.
 P. M. Sta. - clear.
 On 8N 143.

*

Tuesday, August 22, 1950

234th Day—131 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P. M. Sta.

Wednesday, August 23, 1950

235th Day—130 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P. m. sta.

Thursday, August 24, 1950

236th Day—129 days to follow

CLEAR
CLOUDY
RAIN
SNOW

P. m. sta.

Friday, August 25, 1950

237th Day—128 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Petaluma.

P. m. Sta. End of course.

Jack Hedgpeth requests send him
any Pycnogonids taken
as M of Cal.

~~Supper, sleep & bath.~~
To Point Arena.

as I can.

Saturday, August 26, 1950

PM 100

238th Day—127 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Point Arena.

~~Bohaya Bay.~~

Early Am. Collecting
on Big Reef at daylight.

Sunday, August 27, 1950

M

239th Day—126 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Point Arena.

M 144 Collecting on
rocky shore - no boulders -
S. of Pt Luce road - at daylight.

FLORIDA

Sunday, September 10, 1950

253rd Day—112 days to follow

CLEAR
CLOUDY
RAIN
SNOW

FLORIDA

29 570
Compton 5:30 p.m.

Monday, September 11, 1950

254th Day—111 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Monthly log added.
 Checked back on book &
 made light on a few points
 in evening.

Tuesday, September 12, 1950

255th Day—110 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Went with W. & J. to Pearson.
 We collected houses with 3 dogs.
 P.M. We go to Pearson's to
 see you & walk through museum
 before we leave.
 In evening, young folks
 for Saturday here & some of the
 are pulled in on a special
 till we have a decent 1/2 of that
 evening. I believe - W. & J. go
 home with 2 dogs. R. & J. just
 arrived & in the S.
 Bags on windows. Mounted
 things, see up the ground.

1046 Friday, September 15, 1950 49

258th Day—107 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Mares

9:00 am
 11:45 am Open back house
 2:00 pm feed to animals

Saturday, September 16, 1950

259th Day—106 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Mares

Am 45. Open morning
 feed, 3:00 pm
 Pm 49 Clean Bay & Dibs
 also take care of feed & out

50 Sunday, September 17, 1950 51

260th Day—105 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Windy

Line 50 Open road at 5:45
road, around for 1/2
hour.

Line 51 Logjam - Clear for
with 1/2 hour

Monday, September 18, 1950

261st Day—104 days to follow

CLEAR
CLOUDY
RAIN
SNOW

March to Rock Harbor

new people come to
today, plumber & electrician
from previous to
short work, work.

new people
the day after, some
the day after, some

Line 52 all work - 1/2 hour

1995 Tuesday, September 19, 1950

262nd Day—103 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Rock Harbor Cottage

Collected L.M. 52, on
 North Channel, S.H. 2000
 House (S.H. 2000) and
 S.H. 2000
 of ...
 ...

Wednesday, September 20, 1950

263rd Day—102 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Rock Harbor Cottage

...
 13.5 ...
 ...
 ...
 L.M. 53 - Along ...
 ... 3' high.
 ...
 ...
 ...

1275
Saturday, September 23, 1950

266th Day—99 days to follow

CLEAR
CLOUDY
RAIN
SNOW

5 on by 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

LM58
Sunday, September 24, 1950

267th Day—98 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Rock Hbr Lodge

Busy on specimens.
 To same site as yesterday
 but worked with new tent -
 Containers afloat in By Case.
 Glass bottle box tied to Snow.
 Net & shovel.
 O.K. but shovel unnecessary
 & float need some buoyancy

LM58 -

Monday, September 25, 1950

268th Day—97 days to follow

CLEAR
CLOUDY
RAIN
SNOW

To Miami with Fritz
 Delmon. Book store, got
 book on corals.

Out at 1:30 P.M. Insect
 pin area. Spent P.M. on
 "corals" & putting away boxes.

Tuesday, September 26, 1950

269th Day—96 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Rock the Lodge

Storm warning in rain
 & wind all day, ocean choppy
 & muddy along shore - out mile.

Joe Stealy wife stop by -
 had place on Long Key - a
 restaurant

Worked in corals & bug
 boxes.

Friday, September 29, 1950

272nd Day—93 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Some heavy rain to follow
 Camp down fine
 Don chipped, I went to
 Merrill's & Long Key
 I collected 11 - 2
 Just back in morning "Piper's"
 nice day. I arrived in
 my own little house at 4:30
 P.M. by Harry
 Dick. worked "Equestrian"
 or "The radio" about 10
 30 min. in afternoon
 back down to
 went to bed. Book only
 home to bed & back to
 till 3:00

Saturday, September 30, 1950

273rd Day—92 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Very cloudy day - the
 in the morning at about 10
 Don saw a "Piper's" to
 in all sorts of light
 light of photo

Special Data

Sunday, October 1, 1950

274th Day—91 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Buteo borealis in flight
 5 specimens examined
 2/18/50, 2 specimens, 1 male
 1st specimen from Goshute Reservation
 2nd specimen from Goshute Reservation
 3rd specimen from Goshute Reservation
 4th specimen from Goshute Reservation
 5th specimen from Goshute Reservation
 6th specimen from Goshute Reservation
 7th specimen from Goshute Reservation
 8th specimen from Goshute Reservation
 9th specimen from Goshute Reservation
 10th specimen from Goshute Reservation

Wednesday, October 4, 1950

277th Day—88 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly "Went to ..."]

Thursday, October 5, 1950

278th Day—87 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly "Went to ..."]

[Faint handwritten notes, possibly "Went to ..."]

LM 66 Sunday, October 8, 1950

281st Day—84 days to follow

CLEAR
CLOUDY
RAIN
SNOW

- no rain
 In AM, caught & netted
 butterflies. Down
 Larva in canal for
 water bug. Got them.

3:30 P.M. to the end

marsh, around Inlet
 & Lagoon.

LM 66 - Potatoes alive.

Good empty shells at Channel
 markers #1, 2, and 3.
 Plenty many Busycon

Monday, October 9, 1950 LM 67

282nd Day—83 days to follow

CLEAR
CLOUDY
RAIN
SNOW

AM - bugs.
 Also preparing specimen

P.M. In marsh about
 3:30 P.M. Same area as

yesterday, LM 66, but
 concentrated on W side

lagoon. Found Busycon
 part of canal. buried at
 inlet edge, only tip visible

On muddy and shell part
 across on E side lagoon,
 & mud Ext shells

LM 68 Tuesday, October 10, 1950

283rd Day—82 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Out early - beach at
 7:00 am should have been 5:30
 Tide rolling in - heavy surf
 but no chop - results successful
 in mud gully. Worked under
 beach only, minus island

LM 68 B -

Thence to museum drawing
 I worked low shore of lagoon
 at E end bridge - salt being
 over sand, holes shallow brown
 many Corvus - some
 Buzzeard perched on a
 small bent over above they all
 work on (the Buzzeard)
 2 hawks for mud - got shot at
 rain while I was

LM 69 Wednesday, October 11, 1950

284th Day—81 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Beach at 6:00 am.
 Tide near turn - low.
 Worked mostly E shore
 lagoon & silted sandy flats
 shore of another I worked.
 LM 69.

Break 9:30, Packed
 to leave in am
 meet Ellie changed only 300
 per day - very reasonable.
 Heavy rain in evening
 which kept the crowd
 on trails - about gone.

AS 191 Saturday, October 14, 1950

287th Day—78 days to follow

<input type="checkbox"/> CLEAR
<input type="checkbox"/> CLOUDY
<input type="checkbox"/> RAIN
<input type="checkbox"/> SNOW

Woke up at 6:00 AM. The weather is
 very nice. We went to the
 store and bought some
 things. The place is very nice
 and the people are very friendly.

Went to the store and bought
 some things. The weather is
 very nice. We went to the
 store and bought some things.

AS 192 Sunday, October 15, 1950

288th Day—77 days to follow

<input type="checkbox"/> CLEAR
<input type="checkbox"/> CLOUDY
<input type="checkbox"/> RAIN
<input type="checkbox"/> SNOW

Woke up at 7:00 AM. The weather is
 very nice. We went to the
 store and bought some
 things. The place is very nice
 and the people are very friendly.

Went to the store and bought
 some things. The weather is
 very nice. We went to the
 store and bought some things.

Monday, October 16, 1950

LM 193

289th Day—76 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Went to the field, and
 found the birds about 1000 m.
 from the Bay Station &
 went in to just above
 the mountains.

LM 193 - 04
 West side of the
Thames especially.

LM 193 - 04
 at the end of the
 Green Tunnel
 Prof. Tom still

Tuesday, October 17, 1950

LM 194

290th Day—75 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Went to the field, and
 found the birds about 1000 m.
 from the Bay Station &
 went in to just above
 the mountains.

LM 194 - 04
 West side of the
 Thames especially.

LM 194 - 04
 at the end of the
 Green Tunnel
 Prof. Tom still

Friday, October 20, 1950

293rd Day—72 days to follow

CLEAR
CLOUDY
RAIN
SNOW

6:00 PM
 2:00 PM
 In Lake, Bay
 1:00 PM

Saturday, October 21, 1950

294th Day—71 days to follow

CLEAR
CLOUDY
RAIN
SNOW

6:00 PM
 3:30 PM
 1:00 PM
 12:00 PM

Sunday, October 22, 1950

295th Day—70 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes]

Monday, October 23, 1950

296th Day—69 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint handwritten notes, possibly describing a journey or observations]

Tuesday, October 24, 1950

297th Day—68 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

[Faint handwritten notes, mostly illegible]

Wednesday, October 25, 1950

298th Day—67 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Dillon Beach
 on specimens 8:30 AM - 1:00 PM
 Back to B.B. & Salmon Cr.
 On shells at Salmon Cr.

Thursday, October 26, 1950

299th Day—66 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input checked="" type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

McClon Beach as usual.

Booby Bay & Salmon Creek - bug specimens out to dry on kitchen table.

Friday, October 27, 1950

300th Day—65 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input checked="" type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

McClon Beach as usual. Roof blown off by S.E. storm. Later, to Salmon Creek on hills.

Petaluma & back.

Saturday, October 28, 1950

301st Day—64 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Billon as usual,
 museum a new result
 wind & rain - no irregularly
 injury.

Atto's in P.M. - later
 to Halloween dance at
 Andy's. Thence with
 rangers, Atto & woman,
 to Salmon Creek.
 Thence to

Sunday, October 29, 1950

302nd Day—63 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Breakfast & leave at
 Ranger George Nagel, Salmon Cr.
 afternoon, to Berkeley Bay
 briefly -
 back to Salmon Cr. &
 early bed.

Monday, October 30, 1950

303rd Day—62 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Weldon Beach as usual.
In P.M. to Columbia Co.

Tuesday, October 31, 1950

304th Day—61 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Weldon Beach as usual.
Now working in Graduate
Research Lab. museum are
open and report, still.
Jefferson out, no lunch
for John & me.

Special Data

Wednesday, November 1, 1950

305th Day—60 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Field Book on record
 Almost done separating
 Molluscs, some to Mr. So. Cal.
 some to Podman's etc.

In mind specimens
 to Berkeley Bay.

"Jefferson" in at dark -
 worm & Schizothorus for
 to bottom of Bunker A.
 Probably flood washed it there.
 Certainly dry would not
 pick it up unless swept on
 surface of bottom.

Supper with Floyd, Lila
 & Lila's brother Jerry -

Thursday, November 2, 1950

306th Day—59 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

filled about 11⁰⁰ am.
Finnish includes, now
living crustaceans etc.

Friday, November 3, 1950

307th Day—58 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

filled as usual
Cottontail in P.M.

Saturday, November 4, 1950

308th Day—57 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Overcast

Sunday, November 5, 1950

309th Day—56 days to follow

<input type="checkbox"/>	CLEAR
<input type="checkbox"/>	CLOUDY
<input type="checkbox"/>	RAIN
<input type="checkbox"/>	SNOW

Overcast

Monday, November 6, 1950

310th Day—55 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Outboard
 repaired at transport motor

Tuesday, November 7, 1950

311th Day—54 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Out in early AM
 to Silver Beach - to specimen
 to Portage Bay

BAJA CALIF.

M 145 Wednesday, November 8, 1950

312th Day—53 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Bodega

Dillon Beach - on specimens

Collected Stewart Point on flat in P.M.

Got limit Abalone.

many dead shells broken shells from Southeastern but water.

Sonoma Coast

M 146 Thursday, November 9, 1950

313th Day—52 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Dillon Beach on specimens

Collected Stewart Point in cove in P.M.

limit of abalone.

BAJA CALIF.

Friday, November 10, 1950

314th Day—51 days to follow

CLEAR
CLOUDY
RAIN
SNOW

1. Cillon Beach on specimen
 next off, as usual.

Monday, November 13, 1950

317th Day—48 days to follow

CLEAR
CLOUDY
RAIN
SNOW

1. Cillon Beach —
 specimen.

BAJA CALIF.

Tuesday, November 14, 1950

318th Day—47 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Hills Beach on
specimens.

Wednesday, November 15, 1950

319th Day—46 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Hills Beach on specimens.
Back to Museum from
Hills Beach on specimens.
Finished separating
stuff from Pre-Mt. St. Jacinto
Packed stuff.

BAJA CALIF.

Monday, November 20, 1950

324th Day—41 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Body on "Spit" at H.J.
 mark. One shoe, two socks, all
 rest naked. Chest & shoulders
 & arms & feet intact - thighs
 & belly missing.

Tuesday, November 21, 1950

325th Day—40 days to follow

CLEAR
CLOUDY
RAIN
SNOW

BAJA CALIF.

Wednesday, November 22, 1950

326th Day—39 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Thursday, November 23, 1950

327th Day—38 days to follow

CLEAR
CLOUDY
RAIN
SNOW

To Baker
to the ...
and ...

BAJA CALIF.

Friday, November 24, 1950

328th Day—37 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Faint handwritten notes, possibly describing a location or activity.

Saturday, November 25, 1950

329th Day—36 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Faint handwritten notes, possibly describing a location or activity.

Sunday, November 26, 1950

330th Day—35 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Outland -
Continued sketching for
the book

BAJA CALIF.

Monday, November 27, 1950

331st Day—34 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Planned to go to the
Barajas - but again in a
few days - maybe
next week - maybe - maybe

Thursday, November 30, 1950

334th Day—31 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Patrolled "spit" in fays.
Found log float near where
found corpse of bales who
jumped off G.G. Bridge.

BAJA CALIF.

Special Data

Friday, December 1, 1950

335th Day—30 days to follow

CLEAR
CLOUDY
RAIN
SNOW

~~To Oakland~~
 Otto's in P. M., Also
 Andy's.

Saturday, December 2, 1950

336th Day—29 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Manual latrine affair
 at Otto's. Everybody happy

Sunday, December 3, 1950

337th Day—28 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Clear day. Salmon Cr.

Monday, December 4, 1950

338th Day—27 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Bodega Bay. On
specimens. Mostly weather

M 149 Tuesday, December 5, 1950

339th Day—26 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Bodega

M 149
 Jeff - 40 feet - 77 Pms
 A scull Britly
 - Sea Anemone on
 Shrimps - "Melin"
 Hermit Crab
 Mud in

Wednesday, December 6, 1950

340th Day—25 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Bodega

[Faint handwritten notes, mostly illegible]

Thursday, December 7, 1950

341st Day—24 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Bodega -
 Lloyd, Lila, Frenchy & I
 to Point for abalone.
 Sea too rough. Got some
 mushrooms.

Friday, December 8, 1950

342nd Day—23 days to follow

CLEAR
CLOUDY
RAIN
SNOW

To Oakland in P.M.

[Faint handwritten notes, possibly describing a trip or observations.]

Saturday, December 9, 1950

343rd Day—22 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Oakland.

Shrub tree to be removed.
Ground too wet to dig it up
yet.

Called V. A. Hoag. (Horticulturist
Theil) "Mr. Berger on leave
till 17th."

BAJA CALIF.

Sunday, December 10, 1950

344th Day—21 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Oakland.

[Faint handwritten notes, mostly illegible]

Monday, December 11, 1950

345th Day—20 days to follow

CLEAR
CLOUDY
RAIN
SNOW

To Dillon
 To Bodega Bay.
 Celebrated my birthday (63rd)
 with considerable local assistance.
 At Dillon, found museum
 wide open - so removed
 my personal effects, (books etc)
 to Salmon Cr. Super.

BAJA CALIF.

M¹⁴⁸ Tuesday, December 12, 1950

346th Day—19 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Quiet day in Bodega Bay.
 Jeep to Dally Ford, new water
 pump (3rd in this jeep).
 Dillon - 100-105 fath. water
 M¹⁴⁸ Spring red star fish. ^{Red}
 Sea biscuits. ^{Red}
 Sponge - huge.
 In red brittle star on spring
 "Rising Crab" - young
 Skate eggs.

M 148 Wednesday, December 13, 1950

347th Day—18 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Hellon. Saw Dr. Noble,
 told him about grounds
 of museum & Photo. room.
 discussed Dr. McCulloch's
 proposal re identification of
 specimens.

Went to Valley Ford for
 leaky radiator repair.

M 149
 Sponges -
 110 fathoms toward Gordon
 Banks
 Blue fish - in cod -
 Jess King.

BAJA CALIF.

Thursday, December 14, 1950

348th Day—17 days to follow

CLEAR
CLOUDY
RAIN
SNOW

shell
 new display at Audip;
 loaning the some of my
 best exhibits.

Friday, December 15, 1950

349th Day—16 days to follow

CLEAR
CLOUDY
RAIN
SNOW

To Dillon - began sorting
out M & BC collections.

To Petrolina, shopping - Jack
& Bp Cypres along.

Otto's
Jalisco Creek.

Saturday, December 16, 1950

350th Day—15 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Took it easy during
day, mostly in Salmon Creek.
Two good home-cooked meals, "on
my diet".

Otto's. A large evening.

Sunday, December 17, 1950

351st Day—14 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Didn't get up till 1⁰⁰ P.M.
went to bed at 3⁰⁰ AM.

To Santa Rosa & back;
took Mary & Anne in.

BAJA CALIF.

Monday, December 18, 1950

352nd Day—13 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Went to Jeff, to no
purpose. Rough sea & rainy
so no specimens.

Tuesday, December 19, 1950

353rd Day—12 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Went to Valley Ford and
 on to Dillon. More sorting
 finished segregating M &
 BC collections into groups.

Patrolled Spit, making
 found. Except a dozen dead
 or dying ducks, some gulls,
 some sheep & cows, unless
 shooting anything that moves.

BAJA CALIF.

Wednesday, December 20, 1950

354th Day—11 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Larry Clipp out to see shells -
 loaned him the glass float I
 found on Spit.

Picked up Jerry Bone & his
 sister Lila (Plymouth) & out
 for mushrooms on Point.

Projected Point to see what
 collecting possibilities there.
 Good, but hard to get at. Best to
 a rope.

Went "express" to Bot Key,
 filled bag with mushrooms.
 Took to Bill & Kathy Curtis.

Memo for Next Year

Memo for Next Year

Cortez
 173369
 173369
 173369

BC 15 Sunday, April 15, 1951

105th Day—260 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Encenada

BC 15 - At Santa Jones bay (on ocean front) have employment of 1 + 2 to upper 4,

On to San Vicente, saw Jorge, "wife" & muchacho/ her grand son. Got him top truck - highly pleased.

La Prada for cigarettes & sugar.

Snakes ① Gopher snake $\frac{2}{3}$ way to bend from Santa Jones. 2:00 P.M., sun-der road.

② On way back from San Vicente, S. of dip S. of summit S of Santa Jones valley - red with crossing road. Quiet. 4:30 P.M.

Monday, April 16, 1951

BC 16

106th Day—259 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Encenada -

At "monasterio", stopped by "Migration Office" Antonio - "Tony" ok our papers & invite us to ride S. to beyond Santa Jones where the car is laid up with flat. Invite us for beer at "St. James Inn".

BC 16 San Epitacio - collect at Bend 2nd Pt. again

3C16-A Thrive on W. along coast to further point - collect there, and later on sandy beach beyond.

at 3:00 P.M. on way back along coast, 3 mi. S. of San Epitacio, ③ Snake, red rattle, crossing coast track. Bush - 100 yds from beach, 100' above.

Beer at Jorge's, La Prada again for supper.

8019

Thursday, April 19, 1951

109th Day—256 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Sample from [unclear] [unclear]
 4 of 12 - [unclear]

B - In [unclear] - [unclear]
 of [unclear] [unclear] [unclear]
 [unclear] [unclear] [unclear]

8020

Friday, April 20, 1951

110th Day—255 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[unclear] [unclear] [unclear]
 [unclear] [unclear] [unclear]
 [unclear] [unclear] [unclear]

[unclear] [unclear] [unclear]
 [unclear] [unclear] [unclear]
 [unclear] [unclear] [unclear]

A6 - Black Snake - small - 2 mi E. [unclear]
 River - [unclear] - [unclear] [unclear]

[unclear] [unclear] [unclear]
 [unclear] [unclear] [unclear]

307

Saturday, April 21, 1951

111th Day—254 days to follow

CLEAR
CLOUDY
RAIN
SNOW

[Faint, mostly illegible handwritten notes]

Encuentra for evening.
 Teatro del Rio of the Prastabos
 Grand Opening of second cafe, on
 beach, Cape Capri.
 LeRoy Fiske & Son join with
 us & we all take in the Opening.
 Good music.

Sunday, April 22, 1951

112th Day—253 days to follow

CLEAR
CLOUDY
RAIN
SNOW

LeRoy & S.J. in their new
 car take us to breakfast in
 Encuentra. Then leave for L.C.
 LeRoy up for lunch in navy - at
 San Diego. *[Faint handwritten notes follow]*

Monday, April 23, 1951

113th Day—252 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Excursion to creek at
 Sea Lion Point, S. of Colnett Pt
 & Bay. Camp on cliff above
 beach. Clear sky when returned
 & then the deluge. The uncovered
 trails & poor protection except
 for Pancha Pacha Nechacho
 who crawled underneath, scoring
 the prepared bed in jeep.

Tuesday, April 24, 1951

BC 22

114th Day—251 days to follow

CLEAR
CLOUDY
RAIN
SNOW

#7 Black Rattles 5 mi. n. of
 Camp Mamshe on Old Coast Road.

#8 Black Snake - Injured? on Hwy 1 about
 6 mi. n. of Sells Junction.

Shog in evening.

BC 23 Wednesday, April 25, 1951

115th Day—250 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Arr. to Los Posos after BC 23
met new man for Seattle -
introduced him to Cigarettes with
usual results.

In San Carlos hot springs &
a good soak. And then it
really rained.

Evening to Cape Capri - fine
sea view of harbor & boats. Good
food in beautiful surroundings,
at reasonable rates.

BC 23. *Syngnathus* large - under rocks, buried.
Chiton note - so many as
Wavy top shells. spawning now!
Haliotis.

Murex - violet & plain.
From sand rocks at La Playa, Best on S. & sheltered
side of point.

Thursday, April 26, 1951 BC 24

116th Day—249 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Everetts.

BC 24, 25, 26, 27, 28, 29, 30, 31, 1951
Out at 5:30 am - to 8:30 am
Haliotis fulgens
Murex
Winged murex.
Pilumnus
Squilla
Wavy top shells - large & small.
Encrusted gastropods
Hydroids? Nightlike corallines.
In. clam -
Mudcrabs
Chiton (BC 23)
Worm - red. Under rock.

Shopping for clothes line & pieces
hanging out.

Packed for return trip.

Friday, April 27, 1951

117th Day—248 days to follow

CLEAR
CLOUDY
RAIN
SNOW

Eusebio

Packing for return trip
Bought 3 Prugote (Crayfish)
from fisherman at neighborhood
for 1.00

Supper at Cafe Copie - had one
drink on prog. - Boston Del Rio,

[Faint handwritten notes and scribbles]

CALENDAR 1951

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	..	..	..	..	1	2	3	..	..	..	..	1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24
28	29	30	31	..	..	..	25	26	27	28	..	..	..	25	26	27	28	29	30	31
..
APRIL							MAY							JUNE						
1	2	3	4	5	6	7	..	..	1	2	3	4	5	..	..	..	..	..	1	2
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23
29	30	..	..	..	..	..	27	28	29	30	31	..	..	24	25	26	27	28	29	30
..
JULY							AUGUST							SEPTEMBER						
1	2	3	4	5	6	7	..	..	..	1	2	3	4	..	..	..	..	..	..	1
8	9	10	11	12	13	14	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31	..	..	..	..	26	27	28	29	30	31	..	23	24	25	26	27	28	29
..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	..	..	..	..	..	..
OCTOBER							NOVEMBER							DECEMBER						
..	1	2	3	4	5	6	..	..	..	1	2	3	..	..	..	..	..	..	1	
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
28	29	30	31	..	..	..	25	26	27	28	29	30	..	23	24	25	26	27	28	29
..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..

